

# **ALBION<sup>®</sup>**

*the caster experts*



**Caster Catalog**  
[www.albioncasters.com](http://www.albioncasters.com)

# Polyurethane Professionals

Albion Industries knows polyurethane. With more than 50 years experience leading the caster and wheel industry, our customers are depending on us to keep business on the move. Although this catalog focuses on our caster and wheel capability, ALBION polyurethane expertise is applied to a wide range of industrial products in a variety of shapes and sizes.



Vulkollan (VY and VX)

Premier polyurethane on cast iron now available!



## Capabilities:

- Multiple Durometers—Standard polyurethane durometers are 80A and 95A. We do manufacture other durometers upon request
- Custom Colors—Custom colors are available upon request
- Keyways—Albion standard keyway inserts are available for next day turn around. Specialty keyways are machined to any configuration
- Cutter bars, brakes, and sound dampening pads available
- Compression molding
- Custom machining and crown facing
- Custom Branding—Your order can be customized to “make it your own” by using a custom color, special durometer or product name insert on the wheel
- Specialty Wheel Development—Albion’s team of sales engineers has more than 70 years combined experience designing and developing new products for specialty applications. We develop special tread faces, hub configurations and bearings to perform in virtually any application
- Anti-Microbial Additives—Bacterial inhibitors are available for all polyurethane products. If your food, laboratory or medical application requires additional peace of mind, this is a great solution
- Next day shipping available, consult factory



## Polyurethane Core Recycle



Albion can Re-Poly your old polyurethane on metal cores with a new burn-off oven. Consult factory for details.



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Product Numbering System	1
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Brake and Bearing Guide	2
-------------------------	---

Floor Locks	3
-------------	---

Wheel Chart	4
-------------	---

Light Duty/Institutional Casters	5
----------------------------------	---

Medium/ Heavy Duty Casters	7
----------------------------	---

Heavy Duty Casters	11
--------------------	----

Wheel Guide	19
-------------	----

## CASTERS

16PD06201S is a 16 Series 6" x 2" swivel top plate caster with Polyurethane/Aluminum core wheel and straight roller bearing. See below for caster number breakdown.

<b>16</b> Caster Series (16 Series)	<b>PD</b> Wheel Code (PD is Polyurethane on aluminum core)	<b>06</b> Diameter Code (06 is 6")	<b>2</b> Tread Width Code (2 is 2") 0: Less than 1-1/2 1: 1-1/2 to 1-5/8 2: 1-3/4 to 2 3: 2-1/8 to 2-7/16 4: 2-1/2 to 2-3/4 5: 2.8 to 3-3/8 6: 3-1/2 to 3-7/8 7: 4 to 4-7/8 8: 5 to 5-1/2 9: Over 5-1/2 X: 3-1/2 Dia. Wheel	<b>01</b> Bearing Code (01 is Straight Roller Bearing)	<b>S</b> Swivel/Rigid Code (S is swivel, R is rigid)
<b>CB</b> Option Code (CB is cam style brake)	<b>16</b> Option Code (In this case cam style brake for 16 series caster)	<b>OPTIONAL FEATURES</b> To be listed under the caster model number when ordering. Note: Some brake and swivel lock options are now placed at the end of the part number. Please see individual series for option designation.			

## WHEELS

PD0620112 is a 6" x 2" Polyurethane/Aluminum core with 3/4" straight roller bearing.

<b>PD</b> Wheel Code (PD is Polyurethane on aluminum core)	<b>06</b> Diameter Code (06 is 6")	<b>2</b> Tread Width Code (2 is 2") 0: Less than 1-1/2 1: 1-1/2 to 1-5/8 X: 1-1/4" tread width for 3-1/2" Dia. Wheels 2: 1-3/4 to 2 3: 2-1/8 to 2-7/16 4: 2-1/2 to 2-3/4 5: 2.8 to 3-3/8 6: 3-1/2 to 3-7/8 7: 4 to 4-7/8 8: 5 to 5-1/2 9: Over 5-1/2	<b>01</b> Bearing Code (01 is Straight Roller Bearing)  Note: for wheel less bearing order 41 or 00 depending on wheel	<b>12</b> Bearing ID Code (12 is 3/4") Bearing I.D. for wheels with bearing. Wheel bore I.D. for wheels less bearing. In 1/16" increments, for example: 12 divided by 16 or 3/4" Common Bore Sizes: 19 = 1-3/16 31 = 1-15/16 39 = 2-7/16
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## RIGS

16YA06201S is a Medium-heavy duty swivel rig that would accommodate the above 6" x 2" PD wheel.

<b>16</b> Caster Series (16 Series)	<b>YA</b> Rig Code (YA is rig only designation)  YA: Standard YB: Moldon Lead YJ: Ball Load YN: Semi-Pneumatic YO: Full Pneumatic (Note: not all options included)	<b>06</b> Diameter Code (06 is 6")	<b>2</b> Inside Leg Spacing Code (2 means that rig fits 1-3/4" to 2" tread width wheel)  See Tread Width Code in WHEELS above.	<b>01</b> Axle/Nut Code (01 indicates Stripped rig, no parts)  00: Rig comes with axle, nut, spanner and thrust washers 03: Complete with axle and nut.	<b>S</b> Swivel/Rigid Code (S is swivel, R is rigid)
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## Brake Options

### Field Installed

#### Cam Brakes - C

Available on: 15, 16, 62, 110, 170

#### Face Brakes-B

Available on: 11

#### Face Brakes - FBA

Available on: 15, 16

#### Face Brakes - FBB

Available on: 15, 16, 62, 81, 90, 110, 170, 310, 410

#### Face Brakes - FBC

Available on: 110, 170

#### \*Face Brakes - FBE

Available on: 11, 15, 16, 60, 62, 110, 170

\*Available in Stainless Steel for E5, 120, and 130 Series, use FBG designation

#### Grip Lock Brakes - GL

Available on: 02, 15, 16

#### \*Total Lock Brakes - T

Available on: 02, 16, DC

(DC available mid-year 2012)

\*Picture shown is 16 series

#### Swivel Lock Brakes - SL (Hand operated - field installable)

Available on: 15, 16, 62, 81, 90, 110, 170, 310, 410

#### Swivel Lock Brakes - SL (Foot operated - field installable)

Available on: 15, 110, 170



#### Roller (01,05,07)

Roller bearings are the standard bearing in most caster applications. 1-1/2 and 2 inch width wheels feature a cage separating hardened steel rollers and a hardened steel split outer race. These bearings must be used on a hardened bushing or shaft. Maximum temperature range is 350°F. All Casters and wheels are rated up to 2.5 mph operation per the Institute of Caster & Wheel Manufacturers Guidelines.



#### Drawn Cup Roller (02)

These are roller bearings as described above except they have metal cages holding the precision ground rollers. The outer race is a one-piece construction, giving added rigidity to the wheel bore. These bearings must be used on a hardened bushing or shaft. Maximum temperature range is 400°F.

## Brake and



### Factory Installed

#### Side Brakes

##### Single Side - SSB

Available on: 15, 16, 62, 81, 90, 110, 170, 310, 410

##### Double Sided - DSB

Available on: 15, 16, 81, 90, 110, 170, 310, 410

#### Face Contact Brakes - F

Available on: 02, DC, 81, 90

#### Poly Cam Brakes - P

Available on: 81, 90, 310, 410

#### Wrap Around Brakes - WB

Available on: 81, 90

#### Swivel Lock Brakes (welded) - L

Available on: 16, 62, 81, 90



## Bearings



#### Two Piece Delrin (51)

A DuPont™ engineered material, Delrin is designed for use in situations in which a self-lubricating material is optimal and corrosion cannot be tolerated. Ideal for wash-down or steam-cleaning applications as well as total immersion. Maximum temperature range is 160°F.



#### Precision Sealed Ball (28)

Completely sealed, these precision ground ball bearings are held in a metal spacer ring between two hardened raceways. This bearing never needs to be lubricated, and with the lowest rolling resistance of all bearings offers the most ergonomic situation available. Maximum temperature range is 250°F.



#### Pedestal Precision Ball (29)

These sealed precision ball bearings include an integral spanner which eliminates need for separate spanner. Maximum temperature range is 250°F.



#### Precision Tapered Roller (09)

The tapered roller is the most effective bearing for heavy or towed loads. The taper allows for some thrust loading, while the heat-treated inner and outer race allow for maximum load capacity. Maximum temperature range is 400°F.

\*Please note: Not all brake/bearing combinations will work-please consult factory. All brakes work on swivel casters consult factory for brakes available for rigid casters.

\*To include an option, add abbreviation to the end of the part number. Ex: 110PD04201SFBC to add a Face Brake.

# LE 16 SERIES ERGONOMIC FLOOR LOCK

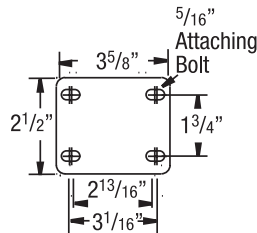


Best in the industry, the 16 Series floor lock features ergonomically designed extended pedals, Bright Safety Yellow powder coating, and is easy to operate - even with steel toed boots.

## LF 02 SERIES FLOOR LOCK



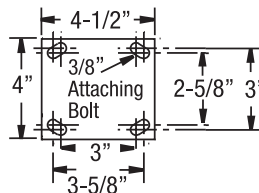
Intended for use on level surfaces, the 02 Series floor lock is activated by toe pressure on the extension pedal or released by toe touching one of the dual retractable plates. For best results, units should be used in pairs.



- Top plate bolt hole spacing: same as 16 Series
- Brake Shoe: Large, non-skid, molded rubber for solid, no-slip contact
- Foot Pedal: Adjusted by slight foot pressure for simple, instant locking
- Finish: Corrosion resistant zinc plate and powder coating for long-use

Caster Wheel Diameter (Inches)	Caster Series Number	Caster Height (Inches)	Retracted Clearance (Inches)	Approx. Wt. (LBS)	Floor Lock Number
6	16	7-1/4	1-1/2	3-3/4	16LE0680
8	16	9-1/2	1-1/2	3-3/4	16LE0880
6	110	7-1/2	1-1/2	3-3/4	110LE0680
8	110	10-1/8	1-1/2	3-3/4	110LE0880

## LF 16 SERIES FLOOR LOCK



Intended for use on level surfaces, the 16 Series floor lock is activated by toe pressure on the extension pedal or released by toe touching one of the dual retractable plates. The large non-skid brake pad, under high spring compression, holds the portable piece of equipment until released. For best results, units should be used in pairs.

- Top Plate: dimension matches standard 02 Series caster top plate for easy installation
- Brake Shoe: Large, non-skid, molded rubber for solid, no-slip contact
- Foot Pedal: Adjusted by slight foot pressure for simple, instant locking
- Finish: Corrosion resistant zinc plate for long-use

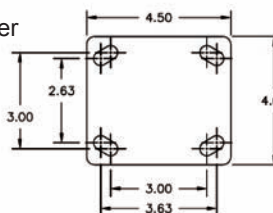
Caster Wheel Diameter (Inches)	Caster Series Number	Caster Height (Inches)	Retracted Clearance	Approx. Wt. (LBS)	Floor Lock Number
3-1/2	02	4-11/16	3/4	2-3/4	02LF03X80
4	02	5-1/8	3/4	2-3/4	02LF0480
5	02	6-3/16	3/4	2-3/4	02LF0580

## LF 11 SERIES FLOOR LOCK



### Product Features

- Heavy duty construction for industrial strength
- Non-skid, molded rubber pad for solid, no-slip contact
- Adjusted by slight foot pressure for simple, instant locking
- Zinc plate finish



- Top Plate: Steel matching regular caster tops for easy installation
- Brake Shoe: Large, non-skid, molded rubber for solid, no-slip contact
- Foot Pedal: Adjusted by slight foot pressure for simple, instant locking
- Finish: Corrosion resistant zinc plate for long-use

Caster Wheel Diameter (Inches)	Caster Series Number	Caster Height (Inches)	Retracted Clearance	Approx. Wt. (LBS)	Floor Lock Number
4	15, 16, 71, 100, 110, 170	5-5/8	3/4	3-1/4	11LF0480
5	15, 16, 71, 100, 110, 170	6-1/2	3/4	3-1/2	11LF0580
6	15, 71, 100, 110, 170	7-1/2	3/4	3-3/4	11LF0680
8	15, 16	9-1/2	3/4	4	11LF0880



# WHEEL SELECTION CHART



Wheel Type	Wheel Description	Capacity Range (lbs)	Size Range (Inches)	Floor Protection	Rollability	Chemical Resistance	Temperature Range (Deg. F)
SOFT	MG Neoprene/Aluminum	500-700	4 to 8	High	Fair	Good	-40 to +220
	NP Neoprene/Aluminum	600-700	4 to 8	High	Fair	Good	-40 to +200
	MX Rubber/Nylon	450	4 to 8	High	Best	Good	-40 to +180
	MD Mold-on Rubber/Aluminum	250 - 600	4 to 8	High	Fair	Good	-40 to +180
	MH Mold-on Rubber/Aluminum (HD)	250 - 600	4 to 8	High	Fair	Good	-40 to +180
	MR Mold-on Rubber/Iron Hi-Temp	140 - 3020	3-1/4 to 20	High	Fair	Good	-40 to +180
	IM Mold-on Rubber/Iron	350 - 450	4 to 8	High	Fair	Good	-40 to +180
	RR Soft Rubber (Solid)	125 - 360	3 to 8	High	Fair	Good	-40 to +180
	RN Hard Rubber (Solid)	125 - 360	3 to 8	High	Fair	Good	-40 to +180
	RM High Modulus Rubber/Alum. (Gray)	300 - 450	5 to 8	High	Fair	Good	-40 to +180
	RL High Modulus Rubber/Alum. (Black)	300 - 450	5 to 8	High	Fair	Good	-40 to +180
	OA Press-On Rubber	1270 - 10190	8-1/2 to 22	High	Fair	Fair	-40 to +180
	OA Deluxe Press-On Rubber	2040 - 6340	13 to 22	High	Fair	Fair	-40 to +180
	SF Full Pneumatic	200 - 3630	6 to 25.7	High	Fair	Fair	-40 to +180
	SF Full Pneumatic (Brass)	210	8	High	Fair	Fair	-40 to +180
	SZ Solid Monoprene Pneumatic	250-440	6 to 10	High	Good	Good	-45 to +180
	SV Solid Monoprene Pneumatic (Grey)	250-450	6 to 10	High	Good	Good	-45 to +180
	SO Full Pneumatic (Hand truck)	350	10.5	High	Fair	Fair	-40 to +180
	SN Semi-Pneumatic (Hand truck)	200 - 540	6.2 to 12	High	Fair	Fair	-40 to +180
	NF Never-Flat	300 - 350	8 & 10	High	Fair	Fair	-40 to +180
MEDIUM	*XS X-tra Soft Rubber (Flat Tread)	200 - 675	3 to 10	High	Good	Good	-45 to +180
	IS TPR Soft Rubber (Flat Tread)	300 - 600	4 to 8	High	Good	Good	-45 to +180
	*XR X-tra Soft Rubber (Round Tread)	200 - 850	6 to 10	High	Good	Good	-45 to +180
	IR TPR Soft Rubber (Round Tread)	250 - 550	4 to 8	High	Good	Good	-45 to +180
	MZ Hi-Temp (Rubber on Phenolic)	700	4	High	Best	Best	-40 to +285
	NW Nylon	600 -1000	5 to 8	High	Good	Good	-20 to +250
	OG Polyurethane Press-on	1690 - 10900	8-1/2 to 18	Medium	Good	Good	-40 to +180
	OG Polyurethane Press-on (Mini)	2240 - 6600	5 to 10-1/2	Medium	Good	Good	-40 to +180
	PA Polyurethane/Alum (95 Shore A)	1200 - 7500	4 & 12	Medium	Good	Good	-40 to +180
	PD Polyurethane/Alum (60 Shore D)	600 - 3000	4 to 10	Medium	Good	Good	-40 to +180
	PM Polyurethane/Alum (Round)	1000 - 1500	5 & 8	Medium	Good	Good	-40 to +180
	PB Polypropylene (Black)	250 - 1000	3 to 8	Medium	Good	Best	-20 to +180
	IB Polypropylene (Black)	400 - 900	4 to 8	Medium	Good	Best	-20 to +180
	PW Polypropylene (White)	250 - 750	3 to 6	Medium	Good	Best	-20 to +180
	RW Hi-Temp Polypropylene (White)	300 - 900	3 to 8	Medium	Good	Best	-20 to +290
	GP Polypropylene/Fiberlass	800 -01400	4 to 8	Medium	Good	Best	-20 to +250
	*PX Polyurethane/Iron (Thick Tread)	2040 - 7700	6 to 16	Medium	Good	Good	-40 to +180
	*PH Polyurethane/Iron (Heavy Duty)	1230 - 3420	6 to 12	Medium	Good	Good	-40 to +180
	*PY Polyurethane/Iron	420 - 8400	3-1/4 to 18	Medium	Good	Good	-40 to +180
	PI Polyurethane/Iron	700 - 3500	4 to 12	Medium	Good	Good	-40 to +180
HARD	IP Polyurethane/Iron	700 - 900	4 to 8	Medium	Good	Good	-40 to +180
	*XA Polyurethane/Polypropylene	300 - 1500	3 to 10	Medium	Good	Best	-40 to +180
	IX Polyurethane/Polypropylene	500 -0900	4 to 8	Medium	Good	Best	-40 to +180
	XB Polyurethane Shopping Cart	350	5	Medium	Good	Best	-40 to +180
	RT Reinforced Thermoplastic	600-1450	4 to 8	Medium	Good	Best	-20 to +250
	XI X-treme™ Solid Elastomer	1000	4 to 8	Medium	Best	Good	-30 to +180
	*XP X-treme™ Plus Solid Elastomer	1400 - 2500	4 to 10	Medium	Best	Good	-30 to +180
	XV Polyurethane V-Grooved	300	4 to 8	Medium	Good	Good	-40 to +180
	VY Vulkolan® Polyurethane/Iron	2350 - 6925	6 to 12	Medium	Best	Good	-40 to +180
	VX Vulkolan® (Thick Tread)	2350 - 5000	6 to 10	Medium	Best	Good	-40 to +180
	CA Cast Iron	300 - 6000	3 to 18	Low	Best	Fair	-40 to +800
	IC Cast Iron (Class 18)	700 -900	4 to 8	Low	Best	Fair	-40 to +800
	CW Cast Iron (Large Bore)	6000 - 8000	8	Low	Best	Fair	-40 to +800
	CH Cast Iron (Heavy Duty)	1500 - 1800	5 to 8	Low	Best	Fair	-40 to +800
	FS Drop Forged Steel	1400-10000	4 to 10	Low	Best	Fair	-40 to +800
	FH Drop Forged Steel (Heavy Duty)	17000-20000	6 to 8	Low	Best	Fair	-40 to +800
	FM Ductile Iron	1500-6000	5 to 12	Low	Best	Fair	-40 to +800
	FR Ductile Iron (Full Radius)	1500-6000	5 to 10	Low	Best	Fair	-40 to +800
	FL Flanged (Single)	500 - 3000	3 to 14	Low	Best	Fair	-40 to +800
	FD Flanged (Dual)	500 - 2000	5 & 10	Low	Best	Fair	-40 to +800
	VG V-Grooved (Cast Iron)	800 - 3500	4 to 10	Low	Best	Fair	-40 to +800
	VM V-Grooved (Ductile Iron)	3500-6000	6 to 10	Low	Best	Fair	-40 to +800
	VL V-Grooved (Iron Large Bore)	4000	8 & 10	Low	Best	Fair	-40 to +800
	VF V-Grooved (Forged Steel)	6000-10000	6 & 10	Low	Best	Fair	-40 to +800
	VH V-Grooved (Forged Steel Large Bore)	10000-15000	6 to 10	Low	Best	Fair	-40 to +800
	HE Hi-Temp Nylon	600 - 1400	3 to 8	Med/Low	Best	Best	-40 to +475
	*NG Maxim®	700 - 1400	3-1/4 to 8	Med/Low	Best	Best	-40 to +250
	RT Glass-Filled Polypro	600-1400	3-1/4 to 8	Med/Low	Best	Best	-40 to +250
	HT Hi-Temp Reinforced Thermoplastic	800-1400	4 to 8	Med/Low	Best	Best	-20 to +480
	DT Heavy Duty Reinforced Nylon	1000-1600	4 to 8	Med/Low	Best	Best	-20 to +350
	NR Maxim® (Noise Reduction)	700 - 1500	3-1/4 to 10	Med/Low	Best	Best	-40 to +180
	NY Trionix™ High Impact Polymer	1750-2500	8 to 10	Medium	Best	Best	-15 to +185
	NX Trionix™ High Impact Poly (Solid)	2160-720	4 to 10	Medium	Best	Best	-30 to +220
	TH Phenolic (Straight Sided)	1000 - 1500	4 to 6	Med/Low	Best	Fair	-65 to +250
	TS Sanitary Phenolic (Straight Sided)	500 - 1400	4 to 8	Med/Low	Best	Fair	-65 to +250
	TL Laminated Phenolic	8000	6	Med/Low	Best	Fair	-65 to +250
	TM Phenolic (Black)	400 - 8000	3 to 18	Med/Low	Best	Fair	-65 to +250
	TR Phenolic (Reddish Green)	400 - 8000	3 to 18	Med/Low	Best	Fair	-65 to +475
	RN Hard Rubber (Solid)	125 - 360	3 to 8	High	Fair	Good	-40 to +180

## Capacity Ratings

Caster and wheel capacities shown in this catalog are based on the following conditions or have been established through industry standards and accepted usage.

## General Conditions

All ratings are based on operation over smooth floors, rails or tracks with no obstructions or severe shock loads. All bearings must be properly lubricated. Conditions of excessive temperature, excessive dirt or other contaminants will reduce capacity and will minimize performance. Capacity ratings cannot be used when product is misapplied or modified.

## Manual Operation

Manual operation capacities apply to non-powered movement of loads only.

## Power Operation

Tractor drawn, mechanically moved conveyor or tow line require specifically designed casters to withstand conditions encountered in these mechanically powered operations. Consult ALBION's Engineering Department for specific recommendations concerning your particular application.

All Casters and wheels are rated up to 2.5 mph operation per the Institute of Caster & Wheel Manufacturers Guidelines.

# 02 SERIES Institutional Casters



Easy rolling, double ball bearing casters are ideally suited for virtually any operation where a smooth rolling, highly maneuverable, economical caster is required. Heat treated design delivers extended life and performance.

## FEATURES

- Top Plate & Yoke: Heavily embossed, formed steel to extend caster life under rugged conditions
- Swivel Section: Heat treated double ball bearing raceways to resist wear and improve maneuverability
- Kingpin: 1/2" hydraulically formed steel rivet
- Axle: 3/8" diameter hollow axle with lock nut
- Finish: All rigs are zinc plated to resist rust and corrosion.

## OPTIONS

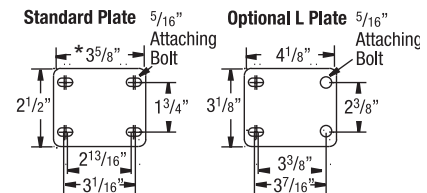
- Stem available (see DC caster)
- Hollow Kingpin available
- Brakes available (see guide)

Wheel Diameter (Inches)	Type 1: 1" Long Option Code	Type 2: 1-1/2" Long Option Code	Type 3: 2-1/2" Long For Expandable Adapters Option Code
3	-S32	-S31	-S33
3 1/2	-SX2	-SX1	-SX3
4	-S42	-S41	-S43
5	-S52	-S51	-S53

## TYPICAL APPLICATIONS

- Hotel equipment
- Institutional equipment
- Food service racks and cases
- Laundry trucks

## MOUNTING OPTIONS



\* 3 5/8 + 0.065 -0.030

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Roller or manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number
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## Phenolic (01 Straight Roller Bearing)\*

TM	3	1 1/4	350	4 1/4	15/16	1.50	02TM03001
	3 1/2	1 1/4	350	4 11/16	1 1/4	2.00	02TM03X01
	4	1 1/4	350	5 1/8	1 1/4	2.00	02TM04001
	5	1 1/4	350	6 3/16	1 1/2	2.75	02TM05001

## Cast Iron (01 Straight Roller Bearing)\*

CA	3	1 1/4	200	4 1/4	15/16	2.50	02CA03001
	3 1/2	1 1/4	250	4 11/16	1 1/4	2.50	02CA03X01
	4	1 1/4	300	5 1/8	1 1/4	3.00	02CA04001
	5	1 1/4	325	6 3/16	1 1/2	3.50	02CA05001

## X-tra Soft Rubber Flat Tread (31 Annular Ball)\*

XS	3	1 1/4	200	4 1/4	15/16	1.75	02XS03031
	3 1/2	1 1/4	250	4 11/16	1 1/4	1.85	02XS03X31
	4	1 1/4	300	5 1/8	1 1/4	2.00	02XS04031
	5	1 1/4	325	6 3/16	1 1/2	2.25	02XS05031
	6	1 1/4	350	7 1/4	1 1/2	2.40	02XS06031

## Polypropylene (41 Plain Bore)\*






PB	3	1 1/4	250	4 1/4	15/16	1.75	02PB03041
	4	1 1/4	350	5 1/8	1 1/4	2.00	02PB04041
	5	1 1/4	350	6 3/16	1 1/2	2.25	02PB05041

## Polyurethane on Polypropylene (28 Precision Ball Bearing)\*

XA	3	1 1/4	300	4 1/4	15/16	1.50	02XA03028
	3 1/2	1 1/4	350	4 11/16	1 1/4	1.50	02XA03X28
	4	1 1/4	350	5 1/8	1 1/4	2.25	02XA04028
	5	1 1/4	350	6 3/16	1 1/2	2.75	02XA05028



## 04 SERIES Light Duty Stainless Steel

		Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number
<b>Soft Rubber (41 Plain Bore)</b>								
RR		3	1 1/4	125	4 1/4	15/16	1.50	04RR03041
		3 1/2	1 1/4	150	4 11/16	1 1/4	1.75	04RR03X41
		4	1 1/4	150	5 1/8	1 1/4	2.25	04RR04041
		5	1 1/4	175	6 3/16	1 1/2	2.63	04RR05041
<b>Hard Rubber (41 Plain Bore)</b>								
RN		3	1 1/4	300	4 1/4	15/16	1.50	04RN03041
		3 1/2	1 1/4	350	4 11/16	1 1/4	2.00	04RN03X41
		4	1 1/4	350	5 1/8	1 1/4	2.50	04RN04041
		5	1 1/4	350	6 3/16	1 1/2	2.63	04RN05041
<b>X-tra Soft Rubber Flat Tread (51 Delrin Bearing)*</b>								
XS		3	1 1/4	200	4 1/4	15/16	1.50	04XS03051
		3 1/2	1 1/4	250	4 11/16	1 1/4	1.75	04XS03X51
		4	1 1/4	300	5 1/8	1 1/4	2.50	04XS04051
		5	1 1/4	325	6 3/16	1 1/2	2.63	04XS05051
<b>Precision X-tra Soft Round Tread (28 Precision Ball Bearing)</b>								
XR		3	1 1/4	200	4 1/4	15/16	1.50	04XR03028
		3 1/2	1 1/4	250	4 11/16	1 1/4	1.75	04XR03X28
		4	1 1/4	300	5 1/8	1 1/4	2.25	04XR04028
		5	1 1/4	325	6 3/16	1 1/2	2.63	04XR05028
<b>Polypropylene (51 Delrin Bearing)</b>								
PB		3	1 1/4	250	4 1/4	15/16	1.50	04PB03051
		4	1 1/4	350	5 1/8	1 1/4	2.13	04PB04051
		5	1 1/4	350	6 3/16	1 1/2	2.63	04PB05051

### FEATURES

- Top Plate & Yoke: Heavily embossed, Type 304 formed stainless steel to extend caster life under rugged conditions
- Swivel Section: Double stainless steel ball bearing raceways to resist wear and improve maneuverability
- Finish: "Polished" stainless steel finish maintains appearance in severe conditions
- Kingpin: 1/2" hydraulically formed stainless steel rivet
- Axle: 3/8" diameter Type 304 stainless steel hollow axle with lock nut
- Component Parts: Bushing, axle and nut are all stainless steel
- NSF Listed for food service industry
- Alternate or custom caster configurations available



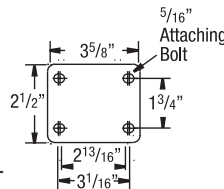
For light-duty applications where frequent washdowns are necessary. Ideally suited for applications exposed to cleaning agents, steam, caustic solutions, or other corrosive agents which could cause rust or corrosion.

### TYPICAL APPLICATIONS

- Food Service
- Pharmaceuticals
- Laboratories
- Hospitals

OPTIONS  
• See brake guide

### MOUNTING PLATE






### RIG OPTIONS

- Sealed swivel specify SS01
- NSF listed for food industry consult factory

## DC SERIES Institutional Casters

**EMPIRE™**  
Casters & Wheels

		Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number
<b>Polypropylene (31 Annular Ball Bearing)</b>								
PB		3	1 1/4	275	4 1/4	1 11/16	1.75	DCPB03041
		3 1/2	1 1/4	300	4 3/4	1 11/16	1.87	DCPB03X41
		4	1 1/4	325	5 1/4	1 11/16	2.00	DCPB04041
		5	1 1/4	350	6 1/4	1 11/16	2.25	DCPB05041
<b>Polyurethane on Polypropylene (00 Plain Bore)</b>								
XA		3	1 1/4	275	4 1/4	1 11/16	1.50	DCXA03031
		3 1/2	1 1/4	300	4 3/4	1 11/16	1.50	DCXA03X31
		4	1 1/4	325	5 1/4	1 11/16	2.25	DCXA04031
		5	1 1/4	350	6 1/4	1 11/16	2.75	DCXA05031
<b>TPR Rubber (31 Annular Ball Bearing)</b>								
XS		3	1 1/4	275	3 11/16	1 11/16	1.75	DCXS03031S01
		3	1 1/4	275	4 1/4	1 11/16	1.85	DCXS03031
		3 1/2	1 1/4	300	4 3/4	1 11/16	2.00	DCXS03X31
		4	1 1/4	325	5 1/16	1 11/16	2.25	DCXS04031
		5	1 1/4	350	6 3/16	1 11/16	2.40	DCXS05031

MOUNTING OPTIONS  
Same as 02 series



\*show with total  
lock brake

### Threaded Stem Order Codes

(Add to base number above)

Note: Threads are 1/2" Diameter  
13 NC

### TYPICAL APPLICATIONS

- Dolly carts
- Display carts

### FEATURES

- Swivel Section: Double ball raceway for standard top plate (Single ball raceway for optional S01 top plate)
- Finish: Zinc plated finish
- Thread Guards: Custom interlocking thread guards
- Caster Wheel: Non-marking TPR wheel (75 Shore A)
- Riveted construction
- Alternate or custom caster configurations available



Albion DC Series casters are ideal for the institutional markets. These models include custom interlocking thread guards and non-marking wheels.

### RIG OPTIONS

NSF listed for food service industry (Consult Factory)

### OPTIONS

- See brake guide

Wheel Diameter (Inches)	Type 1: 1" Long Option Code	Type 2: 1-1/2" Long Option Code	Type 3: 2-1/2" Long For Expand- able Adapters Option Code
3	-S32	-S31	-S33
3 1/2	-SX2	-SX1	-SX3
4	-S42	-S41	-S43
5	-S52	-S51	-S53

For swivel models add "S" to end of caster number.  
For rigid models add "R" to end of caster number.

# E5 SERIES Medium Heavy Duty Stainless

**EMPIRE™**  
Casters & Wheels

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number
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## Maxim® (01 Roller Bearing)

NG	4	2	800	5 <sup>5</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>16</sub>	5	E5NG04201
	5	2	900	6 <sup>1</sup> / <sub>2</sub>	15 <sup>5</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	E5NG05201
	6	2	900	7 <sup>1</sup> / <sub>2</sub>	17 <sup>7</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>4</sub>	E5NG06201
	8	2	900	9 <sup>1</sup> / <sub>2</sub>	23 <sup>3</sup> / <sub>8</sub>	7	E5NG08201



## White Nylon (01 Roller Bearing)

NW	5	2	600	6 <sup>1</sup> / <sub>2</sub>	15 <sup>5</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	E5NW05201
	6	2	900	7 <sup>1</sup> / <sub>2</sub>	17 <sup>7</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>4</sub>	E5NW06201
	8	2	900	9 <sup>1</sup> / <sub>2</sub>	23 <sup>3</sup> / <sub>8</sub>	6 <sup>1</sup> / <sub>2</sub>	E5NW08201



## Polypropylene (01 Roller Bearing)

PB	4	2	450	5 <sup>5</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	E5PB04201
	5	2	550	6 <sup>1</sup> / <sub>2</sub>	15 <sup>5</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>2</sub>	E5PB05201
	6	2	650	7 <sup>1</sup> / <sub>2</sub>	17 <sup>7</sup> / <sub>8</sub>	4 <sup>3</sup> / <sub>4</sub>	E5PB06201
	8	2	850	9 <sup>1</sup> / <sub>2</sub>	23 <sup>3</sup> / <sub>8</sub>	6 <sup>1</sup> / <sub>4</sub>	E5PB08201



## Reinforced Thermoplastic (01 Roller Bearing)

RT	4	2	800	5 <sup>5</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>16</sub>	5	E5RT04201
	5	2	900	6 <sup>1</sup> / <sub>2</sub>	15 <sup>5</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	E5RT05201
	6	2	900	7 <sup>1</sup> / <sub>2</sub>	17 <sup>7</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>4</sub>	E5RT06201
	8	2	900	9 <sup>1</sup> / <sub>2</sub>	23 <sup>3</sup> / <sub>8</sub>	7	E5RT08201



## Polyurethane on Polypropylene (01 Roller Bearing)

XA	4	2	600	5 <sup>5</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	5	E5XA04201
	5	2	750	6 <sup>1</sup> / <sub>2</sub>	1.33	5 <sup>1</sup> / <sub>4</sub>	E5XA05201
	6	2	900	6 <sup>1</sup> / <sub>2</sub>	1.53	5 <sup>3</sup> / <sub>4</sub>	E5XA06201
	8	2	900	9 <sup>1</sup> / <sub>2</sub>	1.95	7	E5XA08201



## X-treme Solid® Elastomer Wheel (01 Roller Bearing)

XI	4	2	900	5 <sup>5</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>4</sub>	E5XI04201
	5	2	900	6 <sup>1</sup> / <sub>2</sub>	15 <sup>5</sup> / <sub>8</sub>	5	E5XI05201
	6	2	900	7 <sup>1</sup> / <sub>2</sub>	17 <sup>7</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>2</sub>	E5XI06201
	8	2	900	9 <sup>1</sup> / <sub>2</sub>	23 <sup>3</sup> / <sub>8</sub>	6 <sup>1</sup> / <sub>2</sub>	E5XI08201



## X-tra Soft (Flat Tread) (01 Roller Bearing)

XS	4	2	350	5 <sup>5</sup> / <sub>8</sub>	19 <sup>1</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>4</sub>	E5XS04201
	5	2	375	6 <sup>1</sup> / <sub>2</sub>	1 5 <sup>5</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	E5XS05201
	6	2	600	7 <sup>1</sup> / <sub>2</sub>	1 7 <sup>7</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>4</sub>	E5XS06201
	8	2	675	9 <sup>1</sup> / <sub>2</sub>	2 3 <sup>3</sup> / <sub>8</sub>	6	E5XS08201

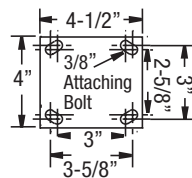


## TYPICAL APPLICATIONS

This caster is the ideal solution for applications where frequent washdowns are necessary. The E5 stainless steel caster is also well suited for applications exposed to cleaning agents, steam, caustic solutions, or other corrosive agents which could cause rust.

## MOUNTING PLATE

### Standard Plate



## FEATURES

- Hospitality
- Food service
- Pharmaceuticals
- Stock carts
- Laundry trucks

## OPTIONS

- See brake guide
- For Stainless Steel Roller bearing add ZB03 to end of part number.
- Ex: E5XS04201S ZB03.





# 05 SERIES Medium Heavy Duty Stainless

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number
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## Maxim® (01 Roller Bearing)

NG	4	2	800	5 <sup>5</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>16</sub>	5	05NG04201
	5	2	1000	6 <sup>1</sup> / <sub>2</sub>	15 <sup>8</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	05NG05201
	6	2	1200	7 <sup>1</sup> / <sub>2</sub>	17 <sup>8</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>4</sub>	05NG06201
	8	2	1200	9 <sup>1</sup> / <sub>2</sub>	23 <sup>8</sup> / <sub>8</sub>	7	05NG08201

## White Nylon (01 Roller Bearing)

NW	5	2	600	6 <sup>1</sup> / <sub>2</sub>	15 <sup>8</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	05NW05201
	6	2	900	7 <sup>1</sup> / <sub>2</sub>	17 <sup>8</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>4</sub>	05NW06201
	8	2	1100	9 <sup>1</sup> / <sub>2</sub>	23 <sup>8</sup> / <sub>8</sub>	6 <sup>1</sup> / <sub>2</sub>	05NW08201

## Polypropylene (01 Roller Bearing)

PB	4	2	450	5 <sup>5</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	05PB04201
	5	2	550	6 <sup>1</sup> / <sub>2</sub>	15 <sup>8</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>2</sub>	05PB05201
	6	2	650	7 <sup>1</sup> / <sub>2</sub>	17 <sup>8</sup> / <sub>8</sub>	4 <sup>3</sup> / <sub>4</sub>	05PB06201
	8	2	850	9 <sup>1</sup> / <sub>2</sub>	23 <sup>8</sup> / <sub>8</sub>	6 <sup>1</sup> / <sub>4</sub>	05PB08201

## Reinforced Thermoplastic (01 Roller Bearing)

RT	4	2	800	5 <sup>5</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>16</sub>	5	05RT04201
	5	2	1000	6 <sup>1</sup> / <sub>2</sub>	15 <sup>8</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	05RT05201
	6	2	1200	7 <sup>1</sup> / <sub>2</sub>	17 <sup>8</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>4</sub>	05RT06201
	8	2	1200	9 <sup>1</sup> / <sub>2</sub>	23 <sup>8</sup> / <sub>8</sub>	7	05RT08201

## Polyurethane on Polypropylene (01 Roller Bearing)

XA	4	2	600	5 <sup>5</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>16</sub>	5	05XA04201
	5	2	750	6 <sup>1</sup> / <sub>2</sub>	15 <sup>8</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	05XA05201
	6	2	900	7 <sup>1</sup> / <sub>2</sub>	17 <sup>8</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>4</sub>	05XA06201
	8	2	1000	9 <sup>1</sup> / <sub>2</sub>	23 <sup>8</sup> / <sub>8</sub>	7	05XA08201

## X-Treme™ Plus Solid Polyurethane (01 Roller Bearing)

XP	4	2	1200	5 <sup>5</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>4</sub>	05XP04201
	5	2	1200	6 <sup>1</sup> / <sub>2</sub>	15 <sup>8</sup> / <sub>8</sub>	5	05XP05201
	6	2	1200	7 <sup>1</sup> / <sub>2</sub>	17 <sup>8</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>2</sub>	05XP06201
	8	2	1200	9 <sup>1</sup> / <sub>2</sub>	23 <sup>8</sup> / <sub>8</sub>	6 <sup>1</sup> / <sub>2</sub>	05XP08201

## X-tra Soft (Flat Tread) (01 Roller Bearing)\*

XS	4	2	350	5 <sup>5</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>4</sub>	05XS04201
	5	2	375	6 <sup>1</sup> / <sub>2</sub>	15 <sup>8</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	05XS05201
	6	2	600	7 <sup>1</sup> / <sub>2</sub>	17 <sup>8</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>4</sub>	05XS06201
	8	2	675	9 <sup>1</sup> / <sub>2</sub>	23 <sup>8</sup> / <sub>8</sub>	6	05XS08201

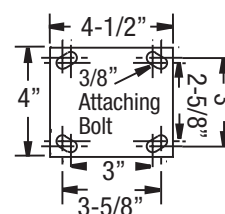


This caster is the ideal solution for applications where frequent washdowns are necessary. The stainless steel caster is also well suited for applications exposed to cleaning agents, steam, caustic solutions, or other corrosive agents which could cause rust.

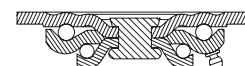
## TYPICAL APPLICATIONS

- Institutional
- Hospitality
- Food Service
- Pharmaceuticals
- Hotel Luggage Carts
- Hospital Beds
- Stock Carts
- Laundry Trucks
- Dollies

## MOUNTING PLATE



## Swivel Cross Section



## FEATURES

- Top Plate & Yoke: Formed from superior 1/4" Type 304 stainless steel plate
- Finish: Highly polished stainless steel
- Swivel Section: Double stainless steel ball bearing raceways formed smooth for ease of swiveling
- King Pin: Stainless steel rivet
- Axle: 1/2" diameter, stainless steel hollow with roller bearing. Solid axle with Delrin and precision ball bearings.
- Spanner Bushing: Type 304 Stainless Steel
- Zerk Fitting: Type 304 Stainless Steel
- NSF Consult factory
- Alternate or custom caster configurations available

## RIG OPTIONS

- Neoprene sealed swivel section. Specify NS05.
- NSF Listed for food service industry. Consult Factory.
- Notched seal kit. Specify SD016001.
- Unnotched seal kit. Specify SD016002.

## OPTIONS

- See brake guide
- For Stainless Steel Roller bearing add ZB03 to end of part number.  
Ex: 05XS04201S ZB03.

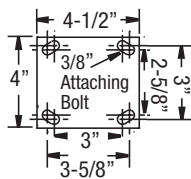
# 11 SERIES Medium Heavy Duty



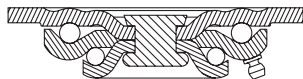
**EMPIRE™**  
Casters & Wheels



MOUNTING PLATE  
Standard Plate



Swivel Cross Section



## FEATURES

- Top Plate & Yoke Base: Cold formed from 1/4" steel plate. Yoke base is notched for factory or field-installable 4-position swivel lock
- Swivel Section: Smooth formed, double ball bearing raceways
- Fork Legs: 1/4" steel, formed to increase strength and welded to yoke base
- King Pin: 5/8" diameter orbitally spun steel rivet
- Axle: 1/2" diameter hollow axle complete with lock nut with straight roller and ball bearings. Axle is solid with Plain Bore, Delrin and Oillex bearings
- Wheel seals: Nylon seal retaining/thrust washers
- Lubrication: Zerk fitting in swivel section and in recessed head of hollow axle on straight roller and ball bearing wheels
- Finish: Rigs zinc plated to resist corrosion.

Empire medium heavy duty casters are cold-formed steel and recommended for medium to medium heavy duty applications.

## TYPICAL APPLICATIONS



- Dollies
- Waste disposal trucks
- Warehouse trucks
- Floor Trucks
- Shop carts

## OPTIONS



- See brake guide

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on mean caster)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number
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### Cast Iron (01 Roller Bearing)

IC			4	2	700	55/8	111/16	7	11IC04201
			5	2	900	61/2	15/8	8	11IC05201
			6	2	900	71/2	13/4	93/4	11IC06201
			8	2	900	91/2	13/4	121/2	11IC08201



### Rubber on Iron (01 Roller Bearing)

IM			4	2	350	55/8	111/16	51/4	11IM04201
			5	2	400	61/2	15/8	51/2	11IM05201
			6	2	410	71/2	13/4	8	11IM06201
			8	2	450	91/2	13/4	101/4	11IM08201



### Polyurethane on Cast Iron (01 Roller Bearing)

IP			4	2	700	55/8	111/16	7	11IP04201
			5	2	900	61/2	15/8	8	11IP05201
			6	2	900	71/2	13/4	93/4	11IP06201
			8	2	900	91/2	13/4	10	11IP08201



### TPR on Polypropylene (Round Tread) (01 Roller Bearing)

IR			4	2	250	55/8	111/16	51/4	11IR04201
			5	2	350	61/2	15/8	51/2	11IR05201
			6	2	450	71/2	13/4	51/2	11IR06201
			8	2	550	91/2	13/4	61/2	11IR08201



### TPR on Polypropylene (Flat Tread) (01 Roller Bearing)

IS			4	2	300	55/8	111/16	51/4	11IS04201
			5	2	400	61/2	15/8	51/2	11IS05201
			6	2	500	71/2	13/4	6	11IS06201
			8	2	600	91/2	13/4	61/2	11IS08201



### Polypropylene (01 Roller Bearing)

PB			4	2	450	55/8	111/16	41/2	11PB04201
			5	2	550	61/2	15/8	5	11PB05101
			6	2	650	71/2	13/4	6	11PB06201
			8	2	850	91/2	13/4	51/2	11PB08201

### Phenolic (01 Roller Bearing)

TM			4	2	800	55/8	111/16	5	11TM04201
			5	2	900	61/2	15/8	51/4	11TM05201
			6	2	900	71/2	13/4	61/4	11TM06201
			8	2	900	91/2	13/4	8	11TM08201

### X-Treme™ Solid Polyurethane (01 Roller Bearing)

XI			4	2	900	55/8	111/16	5	11XI04201
			5	2	900	61/2	15/8	51/2	11XI05201
			6	2	900	71/2	13/4	61/4	11XI06201
			8	2	900	91/2	13/4	8	11XI08201



# 16 SERIES Medium Heavy Duty Casters



Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on metal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number
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## Cast Iron (01 Roller Bearing)

CA	4	2	1000	55/8	111/16	7	16CA04201
	5	2	1250	61/2	15/8	8	16CA05201
	6	2	1250	71/4	13/4	93/4	16CA06201
	8	2	1250	91/2	13/4	121/2	16CA08201



## Heavy Duty Reinforced Nylon (Roller Bearing)

DT	4	2	1000	55/8	111/16	7	16DT04201
	5	2	1200	61/2	15/8	8	16DT05201
	6	2	1250	71/4	13/4	93/4	16DT06201
	8	2	1250	91/2	13/4	10	16DT08201



## Moldon Rubber on Cast Iron (01 Roller Bearing)

MR	4	2	300	55/8	111/16	51/4	16MR04201
	5	2	450	61/2	15/8	51/2	16MR05201
	6	2	500	71/4	13/4	8	16MR06201
	8	2	600	91/2	13/4	101/4	16MR08201



## Polyurethane on Cast Iron (01 Roller Bearing)

PI	4	2	700	55/8	111/16	7	16PI04201
	5	2	1000	61/2	15/8	8	16PI05201
	6	2	1200	71/4	13/4	93/4	16PI06201
	8	2	1250	91/2	13/4	10	16PI08201



## Polyurethane on Aluminum Flat Tread (01 Roller Bearing)

PD	4	2	700	55/8	111/16	5	16PD04201
	5	2	1050	61/2	15/8	51/4	16PD05201
	6	2	1230	71/4	13/4	53/4	16PD06201
	8	2	1250	91/2	13/4	7	16PD08201



## Polyurethane on Polypropylene (01 Roller Bearing)

XA	4	2	700	55/8	111/16	41/4	16XA04201
	5	2	750	61/2	15/8	43/4	16XA05201
	6	2	900	71/4	13/4	51/2	16XA06201
	8	2	1000	91/2	13/4	71/2	16XA08201



## X-tra Soft (Round Tread) (01 Roller Bearing)

XR	6	2	600	71/4	13/4	51/2	16XR06201
	8	2	675	91/2	13/4	61/2	16XR08201



## X-tra Soft (Flat Tread) (01 Roller Bearing)

XS	4	2	350	55/8	111/16	51/4	16XS04201
	5	2	375	61/2	15/8	51/2	16XS05201
	6	2	600	71/4	13/4	6	16XS06201
	8	2	675	91/2	13/4	61/2	16XS08201



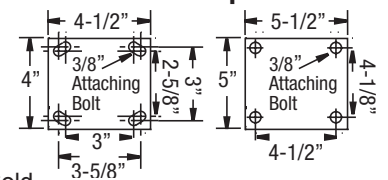
16 Series casters are cold formed, heat treated steel and recommended for medium to medium heavy duty applications.

## TYPICAL APPLICATIONS

- Dollies
- Waste disposal trucks
- Warehouse trucks
- Floor Trucks
- Shop carts

## MOUNTING PLATES

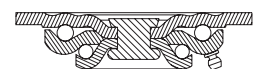
### Standard Plate Optional D Plate



## FEATURES

- Top Plate & Yoke Base: Cold formed from 1/4" steel plate. Yoke base is notched for factory or field-installable 4-position swivel lock
- Swivel Section: Heat treated, smooth formed, hardened, double ball bearing raceways minimize ball indentation and wear
- Fork Legs: 1/4" steel, formed to increase strength and welded to yoke base
- King Pin: 5/8" diameter orbitally spun steel rivet
- Axle: 1/2" diameter hollow axle complete with lock nut with straight roller and ball bearings. Axle is solid with Plain Bore, Delrin and Oilex bearings
- Wheel seals: Nylon seal retaining/thrust washers
- Lubrication: Zerk fitting in swivel section and in recessed head of hollow axle on straight roller and ball bearing wheels
- Finish: Rigs zinc plated to resist corrosion.
- NSF Listed for food service industry
- Alternate or custom caster configurations available

## Swivel Cross Section



## RIG OPTIONS

- King bolt and nut. Specify KB16.
- Neoprene sealed swivel section. Specify SS02.
- NSF Listed for food service industry. Specify NSF.
- Notched seal kit. Specify SD016001.
- Unnotched seal kit. Specify SD016002.
- Optional Overall Heights see notes at end of 16

## OPTIONS

- See brake guide



# 60 SERIES Heavy Duty Casters



**EMPIRE™**  
Casters & Wheels

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number

## Cast Iron (01 Roller Bearing)

IC	4	2	700	55/8	15/16	8 1/4	60IC04201
	5	2	900	6 1/2	1 1/2	9 1/4	60IC05201
	6	2	900	7 1/2	1 3/4	11 1/4	60IC06201
	8	2	900	10 1/8	1 3/4	14 1/2	60IC08201

## Rubber on Iron (01 Roller Bearing)

IM	4	2	350	55/8	15/16	6 1/2	60IM04201
	5	2	400	6 1/2	1 1/2	7 1/2	60IM05201
	6	2	410	7 1/2	1 3/4	9 1/2	60IM06201
	8	2	450	10 1/8	1 3/4	9 1/4	60IM08201

## Polyurethane on Cast Iron (01 Roller Bearing)

IP	4	2	700	55/8	15/16	8 1/4	60IP04201
	5	2	900	6 1/2	1 1/2	8 3/4	60IP05201
	6	2	900	7 1/2	1 3/4	11	60IP06201
	8	2	900	10 1/8	1 3/4	14	60IP08201

## TPR on Polypropylene (Round Tread) (01 Roller Bearing)

IR	4	2	250	55/8	1 11/16	6	60IR04201
	5	2	350	6 1/2	1 5/8	7	60IR05201
	6	2	450	7 1/2	1 3/4	8 1/4	60IR06201
	8	2	550	10 1/8	1 3/4	9 1/4	60IR08201

## TPR on Polypropylene (Flat Tread) (01 Roller Bearing)

IS	4	2	300	55/8	15/16	6 1/2	60IS04201
	5	2	400	6 1/2	1 1/2	7 1/2	60IS05201
	6	2	500	7 1/2	1 3/4	8 1/4	60IS06201
	8	2	600	10 1/8	1 3/4	9 1/4	60IS08201

## Phenolic (01 Roller Bearing)

TM	4	2	800	55/8	15/16	6 1/4	60TM04201
	5	2	1000	6 1/2	1 1/2	6 3/4	60TM05201
	6	2	1200	7 1/2	1 3/4	7 3/4	60TM06201
	8	2	1400	10 1/8	1 3/4	9 1/2	60TM08201

## X-Treme™ Solid Polyurethane (01 Roller Bearing)

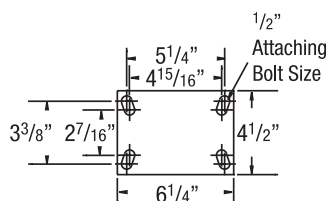
XI	4	2	1000	55/8	15/16	6 1/4	60XI04201
	5	2	1000	6 1/2	1 1/2	5 1/2	60XI05201
	6	2	1000	7 1/2	1 3/4	7 3/4	60XI06201
	8	2	1000	10 1/8	1 3/4	9 1/2	60XI08201

## Polyurethane on Polypropylene (01 Roller Bearing)

XA	4	2	600	55/8	15/16	6 1/2	60XA04201
	5	2	750	6 1/2	1 1/2	7 1/2	60XA05201
	6	2	900	7 1/2	1 3/4	8 1/4	60XA06201
	8	2	1000	10 1/8	1 3/4	9 1/2	60XA08201

Manufactured from cold formed steel, this popular series is recommended for heavy duty applications. A heat treated king bolt and nut ensure longer caster life.

## MOUNTING PLATE



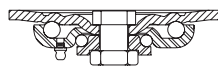
## TYPICAL APPLICATIONS

- Movable racks
- Conveyor or "Dragline" operations
- Utility trucks
- Corrugated box trucks
- Caster mounted production jigs and fixtures

## FEATURES

- Top Plate: Cold formed from 1/4" steel plate to provide the strongest possible section for swivel bearing
- Swivel Section: 3-1/4" diameter load race. Raceways are coined smooth then cold formed hardened to minimize ball indentation and wear
- Legs: 1/4" steel formed to increase strength and welded to the yoke base
- King bolt: 3/4" heat treated king bolt and nut assembly
- Axle: 1/2" diameter hollow axle with recessed zerk fitting and lock nut on straight roller and ball bearing. Solid axle on Delrin, precision ball, and Oilflex bearings
- Lubrication: Zerk fitting in swivel section and in recessed head of hollow axle with straight roller bearing wheels
- Finish: All rigs are zinc plated to resist corrosion and rust.
- Notched Yoke Base: Notched to accommodate swivel lock.

## Swivel Cross Section





# 62 SERIES Heavy Duty Casters



Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Load in metal operation) (Lbs)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number
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## Cast Iron (01 Roller Bearing)

CA		4	2	1000	55/8	15/16	8 1/4	62CA04201
		5	2	1300	6 1/2	1 1/2	9 1/4	62CA05201
		6	2	1400	7 1/2	1 3/4	11 1/4	62CA06201
		8	2	1500	10 1/8	1 3/4	14 1/2	62CA08201

## Heavy Duty Reinforced Nylon (01 Roller Bearing)

DT		4	2	1000	55/8	15/16	6 1/2	62DT04201
		5	2	1200	6 1/2	1 1/2	6 1/2	62DT05201
		6	2	1400	7 1/2	1 3/4	7 1/4	62DT06201
		8	2	1600	10 1/8	1 3/4	8 1/2	62DT08201

## Polyurethane on Aluminum Crown Tread (01 Roller Bearing)

PD		4	2	700	55/8	15/16	6 1/2	62PD04201
		5	2	1050	6 1/2	1 1/2	6 1/2	62PD05201
		6	2	1230	7 1/2	1 3/4	7 1/4	62PD06201
		8	2	1500	10 1/8	1 3/4	8 1/2	62PD08201

## Polyurethane on Cast Iron (01 Roller Bearing)

PY		4	2	850	55/8	15/16	8 1/4	62PY04201
		5	2	1100	6 1/2	1 1/2	8 3/4	62PY05201
		6	2	1250	7 1/2	1 3/4	11	62PY06201
		8	2	1500	10 1/8	1 3/4	14	62PY08201

## Polyurethane on Polypropylene (01 Roller Bearing)

XA		4	2	600	55/8	15/16	6 1/2	62XA04201
		5	2	750	6 1/2	1 1/2	7 1/2	62XA05201
		6	2	900	7 1/2	1 3/4	8 1/4	62XA06201
		8	2	1000	10 1/8	1 3/4	9 1/2	62XA08201

## X-Treme™ Solid Polyurethane (01 Roller Bearing)

XI		4	2	1000	55/8	15/16	6 1/4	62XI04201
		5	2	1000	6 1/2	1 1/2	5 1/2	62XI05201
		6	2	1000	7 1/2	1 3/4	7 3/4	62XI06201
		8	2	1000	10 1/8	1 3/4	9 1/2	62XI08201

## X-tra Soft Round Tread (01 Roller Bearing)

XR		6	2	450	7 1/2	1 3/4	8 1/4	62XR06201
		8	2	600	10 1/8	1 3/4	9 1/4	62XR08201

## X-tra Soft Flat Tread (01 Roller Bearing)

XS		4	2	350	55/8	15/16	6 1/2	62XS04201
		5	2	375	6 1/2	1 1/2	7 1/2	62XS05201
		6	2	600	7 1/2	1 3/4	8 1/4	62XS06201
		8	2	675	10 1/8	1 3/4	9 1/4	62XS08201

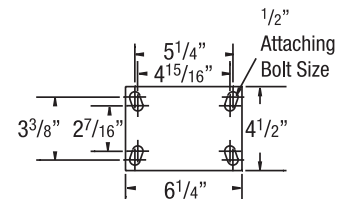


Manufactured from cold formed steel, this popular series is recommended for heavy duty applications. A heat treated king bolt and nut ensure longer caster life.

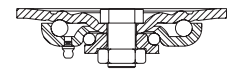
## TYPICAL APPLICATIONS

- Movable racks
- Conveyor or "Dragline" operations
- Utility trucks
- Corrugated box trucks
- Caster mounted production jigs and fixtures

## MOUNTING PLATE



## Swivel Cross Section



## FEATURES

- Top Plate: Cold formed from 1/4" steel plate to provide the strongest possible section for swivel bearing
- Swivel Section: 3-1/4" diameter load race. Raceways are coined smooth then heat treated to minimize ball indentation and wear
- Legs: 1/4" steel formed to increase strength and welded to the yoke base
- King bolt: 3/4" heat treated king bolt and nut assembly
- Axle: 1/2" diameter hollow axle with recessed zerk fitting and lock nut on straight roller and ball bearing. Solid axle on Delrin, precision ball, and Oilex bearings
- Lubrication: Zerk fitting in swivel section and in recessed head of hollow axle with straight roller bearing wheels
- Finish: All rigs are zinc plated to resist corrosion and rust.
- Notched Yoke Base: Notched to accommodate swivel lock.
- Alternate or custom caster configurations available

## RIG OPTIONS

- Neoprene sealed swivel section specify NS62
- Inside weld specify IW62
- Thread guards specify TG62
- Hollow axle for oilex and delrin applications specify ZF07 (For up to 2" wide wheels)
- NSF Listed for food service industry specify N
- Optional Overall Heights





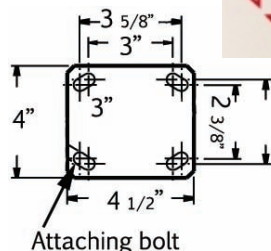
# 170 SERIES Heavy Duty Kingpinless Casters

**EMPIRE™**  
Casters & Wheels



"Stamped Steel" fully heat treated construction is more durable than competitor's case or induction hardened construction.

MOUNTING PLATE



SWIVEL CROSS SECTION



## TYPICAL APPLICATIONS

- Dollies
- Dough troughs
- Platform trucks
- Tow line
- Utility carts
- Tooling fixtures
- Scrap metal carriers

## FEATURES

- Top Plate: 5/16" AISI 1045 steel welded
- Yoke Base: Notched AISI 1045 steel
- Swivel Section: One row of 3/8" ball bearings mounted in a heat treated precision machined raceway. Zerk in swivel section.
- Axle: 1/2" diameter hollow axle with zerk fitting on roller and tapered bearing models (Solid axle on Delrin, precision ball, and Oilex models)
- Finish: Zinc plating
- Alternate or custom caster configurations available

## RIG OPTIONS

- Optional Overall heights of 9 1/2 for 8" wheel diameter models add -01 to end of model number.

## OPTIONS

- See brake guide

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number
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### Cast Iron (01 Roller Bearing)\*

CA	4	2	1000	55/8	13/16	10	170CA04201
	5	2	1300	6 1/2	13/8	12	170CA05201
	6	2	1400	7 1/2	19/16	13	170CA06201
	8	2	1500	10 1/8	2 1/4	16	170CA08201

### Moldon Rubber on Cast Iron (01 Roller Bearing)

MR	4	2	300	55/8	13/16	8	170MR04201
	5	2	450	6 1/2	13/8	9	170MR05201
	6	2	500	7 1/2	19/16	10	170MR06201
	8	2	600	10 1/8	2 1/4	11	170MR08201

### Polyurethane on Cast Iron (01 Roller Bearing)

PI	4	2	700	55/8	13/16	8	170PI04201
	5	2	1000	6 1/2	13/8	9	170PI05201
	6	2	1200	7 1/2	19/16	12	170PI06201
	8	2	1400	10 1/8	2 1/4	13	170PI08201

### Reinforced Thermoplastic (01 Roller Bearing)

RT	4	2	800	55/8	13/16	8	170RT04201
	5	2	1000	6 1/2	13/8	9	170RT05201
	6	2	1200	7 1/2	19/16	10	170RT06201
	8	2	1400	10 1/8	2 1/4	11	170RT08201

### Phenolic (01 Roller Bearing)

TM	4	2	800	55/8	13/16	8	170TM04201
	5	2	1000	6 1/2	13/8	9	170TM05201
	6	2	1200	7 1/2	19/16	10	170TM06201
	8	2	1400	10 1/8	2 1/4	11	170TM08201

### Polyurethane on Polypropylene (01 Roller Bearing)

XA	4	2	600	55/8	13/16	7.25	170XA04201
	5	2	750	6 1/2	13/8	7.50	170XA05201
	6	2	900	7 1/2	19/16	7.75	170XA06201
	8	2	1000	10 1/8	2 1/4	9.25	170XA08201

### X-tra Soft Round Tread (01 Roller Bearing)

XR	6	2	450	7 1/2	19/16	7.75	170XR06201
	8	2	600	10 1/8	2 1/4	9.25	170XR08201

### X-tra Soft (Flat Tread) (01 Roller Bearing)

XS	4	2	350	55/8	13/16	7.25	110XS04201
	5	2	375	6 1/2	13/8	7.50	110XS05201
	6	2	600	7 1/2	19/16	7.75	110XS06201
	8	2	675	10 1/8	2 1/4	9.25	110XS08201

# 110 SERIES Heavy Duty Kingpinless Casters

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on manual operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number
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## Cast Iron (01 Roller Bearing)

CA	4	2	1000	55/8	13/16	10	110CA04201
	5	2	1300	61/2	13/8	12	110CA05201
	6	2	1400	71/2	19/16	13	110CA06201
	8	2	1800	101/8	21/4	16	110CA08201

## Heavy Duty Reinforced Nylon (01 Roller Bearing)

DT	4	2	1000	55/8	13/16	8	110DT04201
	5	2	1200	61/2	13/8	9	110DT05201
	6	2	1400	71/2	19/16	10	110DT06201
	8	2	1600	101/8	21/4	11	110DT08201

## Polyurethane on Aluminum Flat Tread (Roller Bearing)

PD	4	2	700	55/8	13/16	7	110PD04201
	5	2	1050	61/2	13/8	8	110PD05201
	6	2	1230	71/2	19/16	9	110PD06201
	8	2	1500	101/8	21/4	10	110PD08201

## Polyurethane on Aluminum Round Tread (28 Precision Ball Bearing)

PM	5	2	1000	61/2	13/8	8	110PM05228
	6	2	1250	71/2	19/16	9	110PM06228
	8	2	1500	101/8	21/4	12	110PM08228

## Polyurethane on Cast Iron/ Thick Tread (01 Roller Bearing)

PY	4	2	850	55/8	13/16	8	110PY04201
	5	2	1100	61/2	13/8	9	110PY05201
	6	2	1250	71/2	19/16	10	110PY06201
	8	2	1500	101/8	21/4	11	110PY08201

## X-Treme™ Plus Solid Polyurethane (01 Roller Bearing)

XP	4	2	1400	55/8	13/16	8	110XP04201
	5	2	1200	61/2	13/8	9	110XP05201
	6	2	1400	71/2	19/16	10	110XP06201
	8	2	1400	101/8	21/4	11	110XP08201

## X-tra Soft Round Tread (01 Roller Bearing)

XR	6	2	450	71/2	19/16	7.75	110XR06201
	8	2	600	101/8	21/4	9.25	110XR08201

## X-tra Soft (Flat Tread) (01 Roller Bearing)

XS	4	2	350	55/8	13/16	7.25	110XS04201
	5	2	375	61/2	13/8	7.50	110XS05201
	6	2	600	71/2	19/16	7.75	110XS06201
	8	2	675	101/8	21/4	9.25	110XS08201



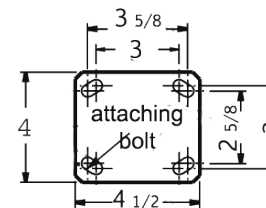
## TYPICAL APPLICATIONS

- Dollies
- Dough troughs
- Platform trucks
- Tow line
- Utility carts
- Tooling fixtures
- Scrap metal carriers

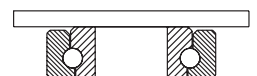
Fully heat treated construction is more durable than competitor's case or induction hardened construction.



Mounting Plate



Swivel Cross Section



## FEATURES

- Top Plate: 5/16" AISI 1045 steel welded and heat treated for longer life
- Yoke Base: Notched AISI 1045 steel
- Swivel Section: One row of 3/8" ball bearings mounted in a heat treated precision machined raceway. Zerk in swivel section.
- Axle: 1/2" diameter hollow axle with zerk fitting on roller and tapered bearing models (Solid axle on Delrin, precision ball, and Oilex models)
- Finish: Zinc plating
- Alternate or custom caster configurations available

## RIG OPTIONS

- Optional Overall heights of 9 1/2 for 8" wheel diameter models add -01 to end of model number.

## OPTIONS

- See brake guide
- Consult factory for optional mounting plates



# 81 SERIES Heavy Duty Casters



Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Load for rated operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number
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The 81 series is drop forged and recommended for the heaviest manually moved loads or for medium duty power drawn equipment. Consult factory for all power drawn applications.

## RIG OPTIONS

- Neoprene Sealed swivel section specify NS81

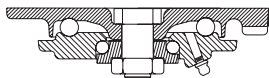
## TYPICAL APPLICATIONS

- Conveyor-drawn tow-trucks
- Heavy duty bakery racks
- Production dollies
- Heavy duty dough troughs

## FEATURES

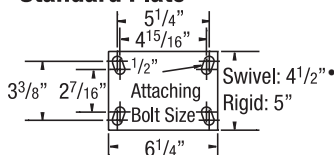
- Top Plate: Rugged AISI 1045 Drop forged steel for maximum strength
- Swivel Section: Double ball bearing coined "deep-groove" load and machined component thrust raceways
- Legs: 3/8" steel, engineered to increase strength and welded construction
- King Bolt: 3/4" diameter heat treated bolt and nut for enhanced load capacity
- Axle: 3/4" diameter, hollow, with lock nut.
- Lubrication: Zerk fitting in swivel section and in recessed head of hollow axle
- Alternate or custom caster configurations available

Swivel Cross Section



MOUNTING PLATE

## Standard Plate



## OPTIONS

- See brake guide
- Consult factory for optional tops

## Cast Iron (01 Roller Bearing)

CA	6	3	2000	75/8	11/2	20 1/4	81CA06401
	8	3	2000	10 1/8	2 1/4	26 1/2	81CA08501
	10	3	2000	11 1/2	2 1/2	27 1/2	81CA10501

## Polyurethane on Cast Iron (01 Roller Bearing)

PY	6	3	2000	75/8	11/2	26	81PY06501
	8	3	2000	10 1/8	2 1/4	22 1/4	81PY08501
	10	3	2000	11 1/2	2 1/2	31	81PY10501
	12	3	2000	13 1/2	3	40	81PY12501

## Moldon Rubber on Cast Iron (01 Roller Bearing)

MR	6	3	750	75/8	3	21 3/4	81MR06501
	8	3	900	10 1/8	3	22 1/4	81MR08501
	10	3	1000	11 1/2	3 1/2	25 1/4	81MR10501
	12	3	1200	13 1/2	3	30 3/4	81MR12501

## Phenolic (01 Roller Bearing)

TM	6	3	2000	75/8	11/2	14 3/4	81TM06501
	8	3	2000	10 1/8	2 1/4	17 3/4	81TM08501
	10	3	2000	11 1/2	2 1/2	20 1/2	81TM10501
	12	3	2000	13 1/2	3	22 1/2	81TM12501

## Polyurethane on Aluminum (01 Roller Bearing)

PD	8	3	2000	10 1/8	3	20 1/4	81PD08501
	10	3	2000	11 1/2	3 1/2	24 1/2	81PD10501

## Ductile Iron Crowned Tread (01 Roller Bearing)\*

FR, FM	6	3	2000	75/8	11/2	20 1/4	81FR06501
	8	3	2000	10 1/8	2 1/4	26 1/2	81FR08501
	10	3	2000	11 1/2	2 1/2	27 1/2	81FR10501

## Polyurethane on Iron (01 Roller Bearing)

PI	6	3	2000	75/8	11/2	26	81PI06501
	8	3	2000	10 1/8	2 1/4	22 1/4	81PI08501
	10	3	2000	11 1/2	2 1/2	31	81PI10501
	12	3	2000	13 1/2	3	40	81PI12501

## V-Grooved Cast Iron (01 Roller Bearing)

VG	6	2 1/2	2000	75/8	11/2	20 1/4	81VG06401
	8	3	2000	10 1/8	2 1/4	26 1/2	81VG08501
	10	3	2000	11 1/2	2 1/2	27 1/2	81VG10501



# 310 SERIES Contender™ Heavy Duty Kingpinless Casters

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on rated capacity)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number
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## Cast Iron (01 Roller Bearing)

CA	6	3	2800	7 1/2	13/8	20 1/4	310CA06501
	8	3	2800	10 1/8	2 1/16	26 1/2	310CA08501
	10	3	2800	11 1/2	2 1/4	27 1/2	310CA10501
	12	3	2800	13 1/2	2 11/16	28 1/2	310CA12501

## Drop Forged Steel (01 Roller Bearings)

FS	8	3	4100	10 1/8	2 1/16	28	310FS08501
	10	3	4100	11 1/2	2 1/4	38	310FS10501

## Moldon Rubber on Cast Iron (01 Roller Bearing)

MR	6	3	750	7 1/2	13/8	21 3/4	310MR06501
	8	3	900	10 1/8	2 1/16	22 1/4	310MR08501
	10	3	1000	11 1/2	2 1/4	25 1/4	310MR10501
	12	3	1200	13 1/2	2 11/16	30 3/4	310MR12501

## Trionix™ NX High Impact Polymer (28 Precision Ball Bearing)

NX	6	3	4100	7 1/2	13/8	16	310NX06528
	8	3	4100	10 1/8	2 1/16	18	310NX08528
	10	3	4100	11 1/2	2 1/4	21	310NX10528

## Thick Tread Polyurethane (01 Roller Bearing)

PX	6	3	2040	7 1/2	13/8	26	310PX06501
	8	3	2520	10 1/8	2 1/16	27	310PX08501
	10	3	3000	11 1/2	2 1/4	32	310PX10501
	12	3	3420	13 1/2	2 11/16	40	310PX12501

## Polyurethane on Cast Iron (01 Roller Bearing)

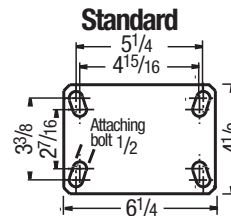
PY	6	3	2040	7 1/2	13/8	26	310PY06501
	8	3	2520	10 1/8	2 1/16	22	310PY08501
	10	3	3000	11 1/2	2 1/4	31	310PY10501
	12	3	3420	13 1/2	2 11/16	40	310PY12501

## Phenolic (01 Roller Bearing)

TM	6	3	2000	7 1/2	13/8	15	310TM06501
	8	3	2500	10 1/8	2 1/16	18	310TM08501
	10	3	2900	11 1/2	2 1/4	20	310TM10501
	12	3	3500	13 1/2	2 11/16	22	310TM12501



MOUNTING PLATE



Swivel Cross Section



Designed from high quality, heat treated AISI 1045 steel. Zinc plating delivers greater corrosion resistance than paint. Inside and outside welds deliver superior strength.

## TYPICAL APPLICATIONS

- Conveyor-drawn tow-trucks
- Heavy duty bakery racks
- Production dollies
- Heavy duty dough troughs

## OPTIONS

- See brake guide
- Consult factory for optional overall heights
- Consult factory for optional mounting plates

## FEATURES

- Top Plate: 5/16" AISI 1045 heat treated steel welded inside and out for longer life
- Swivel Section: One row of 1/2" ball bearings mounted in a heat treated precision machined raceway. Zerk in swivel section.
- Yoke Base: Notched AISI 1045 steel
- Legs: welded inside and out
- Axle: 3/4" diameter
- Finish: Zinc plating
- Alternate or custom caster configurations available

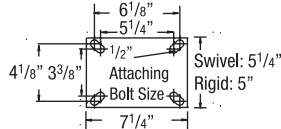
# 90 SERIES Heavy duty Casters



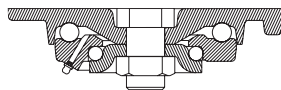
Our 90 series is made from AISI 1045 drop forged steel and is highly recommended for rugged applications.

## MOUNTING PLATE

### Standard Plate



### Swivel Cross Section



## RIG OPTIONS

- Sealed swivel section specify NS90
- Heat treated raceway specify HT03

## OPTIONS

- Swivel Top Plate: AISI 1045 drop forged steel, for strength and reliability
- Yoke Base: AISI 1045 drop forged steel with machined raceway for extended service life
- Swivel Load Bearing: 4" diameter deep-grooved load raceway with 1/2" steel balls for better load distribution. The thrust race is 2-5/8" diameter using 3/8" diameter steel balls for increased capacity
- Legs: 3/8" steel plate welded inside and out for added strength
- King Bolt: 1" diameter bolt heat treated for extended service
- Axle: 3/4" and 1" hollow axles are used for wheel bearing lubrication
- Lubrication: Zerk fitting in yoke base and in wheel hub or recessed in head of hollow axle
- Alternate or custom caster configurations available

- See brake guide

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rate for rated operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number
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## Cast Iron (01 Roller Bearing)

### CA



6	3	2800	8	2 1/4	26	90CA06501
8	3	2800	10 1/2	2 1/2	26 3/4	90CA08501
10	3	2800	12 1/2	2 1/2	32 1/2	90CA10501
12	3	2800	15 1/2	2 1/2	38 1/2	90CA12501

## Ductile Iron Crowned Tread (01 Roller Bearing)

### FR, FM, VM



6	3	3500	8	2 1/4	26	90FR06501
8	3	3500	10 1/2	2 1/2	26 3/4	90FR08501
10	3	3500	12 1/2	2 1/2	32 1/2	90FR10501

## Moldon Rubber on Cast Iron (01 Roller Bearing)

### MR



6	3	750	8	3	23 3/4	90MR06501
8	3	900	10 1/2	3	27 1/4	90MR08501
10	3	1000	12 1/2	3 1/2	30 1/2	90MR10501
12	3	1200	15 1/2	3	36 1/4	90MR12501

## Polyurethane on Aluminum (01 Roller Bearing)

### PD



8	3	2520	10 1/2	2 1/2	22 1/2	90PD08501
10	3	3000	12 1/2	3 1/2	25	90PD10501

## Polyurethane on Cast Iron (01 Roller Bearing)

### PY



6	3	2040	8	2 1/4	26 3/4	90PY06501
8	3	2520	10 1/2	2 1/2	31	90PY08501
10	3	3000	12 1/2	2 1/2	35 3/4	90PY10501
12	3	3420	15 1/2	2 1/2	44 1/4	90PY12501

## Phenolic (01 Roller Bearing)

### TM



6	3	2000	8	2 1/4	19 1/4	90TM06501
8	3	2500	10 1/2	2 1/2	22 1/4	90TM08501
10	3	2900	12 1/2	2 1/2	25 1/4	90TM10501
12	3	3500	15 1/2	2 1/2	29 1/4	90TM12501

## V-Groove Cast Iron (01 Roller Bearing)

### VG




6	2 1/2	2500	8	2 1/4	26 1/4	90VG06401
8	3	2500	10 1/2	2 1/2	31 1/4	90VG08501
10	3	3000	12 1/2	2 1/2	42 1/2	90VG10501




# 410 SERIES Contender™ Heavy Duty Kingpinless Casters

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on normal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Caster Number
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## Cast Iron (01 Roller Bearing)

CA							
	6	3	2800	8	2 1/4	26	410CA06501
	8	3	2800	10 1/2	2 1/2	27	410CA08501
	10	3	2800	12 1/2	2 1/2	32	410CA10501
	12	3	2800	15 1/2	2 1/2	38	410CA12501


## Drop Forged Steel (01 Roller Bearing)

FS							
	8	3	4100	10 1/2	2 1/2	33	410FS08501
	10	3	5100	12 1/2	2 1/2	43	410FS10501


## Moldon Rubber on Cast Iron (01 Roller Bearing)

MR							
	6	3	750	8	27/32	24	410MR06501
	8	3	900	10 1/2	2 15/16	27	410MR08501
	10	3	1000	12 1/2	3 3/8	30	410MR10501
	12	3	1200	15 1/2	4 5/16	36	410MR12501


## Trionix™ NX High Impact Polymer (28 Precision Ball Bearings)

NX							
	6	3	5500	8	2 1/4	21	410NX06528
	8	3	5500	10 1/2	2 1/2	24	410NX08528
	10	3	5500	12 1/2	2 1/2	28	410NX10528


## Polyurethane on Cast Iron (01 Roller Bearing)

PY							
	6	3	2040	8	27/32	27	410PY06501
	8	3	2520	10 1/2	2 15/16	31	410PY08501
	10	3	3000	12 1/2	3 3/8	36	410PY10501
	12	3	3420	15 1/2	4 5/16	44	410PY12501


## Thick Tread Polyurethane (01 Roller Bearing)

PX							
	6	3	2040	8	2 1/4	27	410PX06501
	8	3	2520	10 1/2	2 1/2	31	410PX08501
	10	3	3000	12 1/2	2 1/2	36	410PX10501
	12	3	3420	15 1/2	2 1/2	44	410PX12501

## Phenolic (01 Roller Bearing)

TM							
	6	3	2000	8	27/32	19	410TM06501
	8	3	2500	10 1/2	2 15/16	22	410TM08501
	10	3	2900	12 1/2	3 3/8	25	410TM10501
	12	3	3500	15 1/2	4 5/16	29	410TM12501

## Vulkollan Thick Tread Polyurethane (01 Roller Bearing)

VX							
	6	3	3000	8	2 1/4	27	410VX06501
	8	3	3025	10 1/2	2 1/2	31	410VX08501
	10	3	3600	12 1/2	2 1/2	36	410VX10501



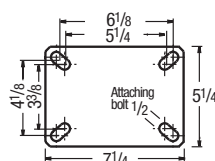
Designed from high quality, heat treated AISI 1045 stamped steel. Zinc plating delivers greater corrosion resistance than paint. Inside and outside welds deliver superior strength.

## TYPICAL APPLICATIONS

- Conveyor-drawn tow-trucks
- Heavy duty bakery racks
- Production dollies
- Heavy duty dough troughs

## MOUNTING PLATE

### Standard



## SWIVEL CROSS SECTION



## OPTIONS

- See brake guide
- Consult factory for optional plate sizes

## FEATURES

- Top Plate: 3/8" AISI 1045 heat treated steel welded inside and out for longer life
- Swivel Section: One row of 1/2" ball bearings mounted in a heat treated precision machined raceway. Zerk in swivel section.
- Yoke Base: Notched AISI 1045 steel
- Legs: welded inside and out
- Axle: 3/4" diameter
- Finish: Zinc plating
- Alternate or custom caster configurations available





Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Roller radial bearing)	Hub Length (Inches)	Bore ID (Inches)	Bearing ID (Inches)	Approx. Wt. (Lbs)	Wheel Number Less Bearing	Wheel Number Roller Bearing

## MR



**Mold-on Rubber on Iron Core**  
Cushion rubber treads are vulcanized to cast iron cores. The soft rubber tread affords a cushion effect to the load. These wheels are highly shock absorbing and provide quiet operation, while dampening vibration.

4	2	300	2-3/16	1-3/16	3/4	1-1/2	MR0420019	MR0420112~
5	2	450	2-3/16	1-3/16	3/4	2	MR0520019	MR0520112~
6	2	500	2-3/16	1-3/16	3/4	2-1/4	MR0620019	MR0620112~
8	2	600	2-3/16	1-3/16	3/4	6-1/3	MR0820019	MR0820112~
6	3	750	3-1/4	1-15/16	1	9-1/2	MR0650031	MR0650116
8	3	900	3-1/4	1-15/16	1	11-1/2	MR0850031	MR0850116
10	3	1000	3-1/4	1-15/16	1	14-1/4	MR1050031	MR1050116
12	3	1200	3-1/4	1-15/16	1	19-1/4	MR1250031	MR1250116

## RR



**Rubber Solid**  
Protect floors and quiet operation with our rubber wheels. Soft rubber tread is molded to harder rubber core.

3	1-1/4	125	1-3/8	1-1/16	1/2	1/2		RR0300108
3-1/2	1-1/4	150	1-3/8	1-1/16	1/2	1/2		RR03X0108
4	1-1/4	150	1-3/8	1-1/16	1/2	3/4		RR0400108
5	1-1/4	175	1-3/8	1-1/16	1/2	1-1/2		RR0500108

## SZ



**Flat Free Monoprene**  
Constructed of solid monoprene material, the SZ has all the benefits of a pneumatic tire, without the chance of a flat!

6	2	250	2-7/16		1/2			SZ0622708
8	2	280	2-7/16		1/2			SZ0822708
8	2 1/2	350	3-1/2		1/2			SZ0842708
10	3-1/2	440	3-3/4		1/2			SZ1062708

## XS



**Xtra-Soft Flat Grey Tread**

The Ultimate X-tra soft rubber wheels offer the ultimate in ergonomic ease. Whether it's durability, quiet operation, or rollability, these wheels can answer your every application need. XZ and XY wheels are conductive versions of the XS and XR wheels.

3	1-1/4	200	1-1/2	1-1/16	3/8	5/16			
3-1/2	1-1/4	250	1-1/2	1-1/16	3/8	5/16			
4	1-1/4	300	1-1/2	1-1/16	3/8	3/8			
5	1-1/4	325	1-1/2	1-1/16	3/8	3/4			
6	1-1/4	325	1-1/2	1-1/16	3/8	3/4			
4	2	350	2-3/16	1-3/16	3/4	1	XS0420019	XS0420112~	
5	2	375	2-3/16	1-3/16	3/4	1-1/8	XS0520019	XS0520112~	
6	2	600	2-3/16	1-3/16	3/4	1-3/8	XS0620019	XS0620112~	
8	2	675	2-3/16	1-3/16	3/4	2-3/8	XS0820019	XS0820112~	

## XR



3	1-1/4	200	1-1/2		3/8	5/16			XR0302806
3-1/2	1-1/4	250	1-1/2		3/8	5/16			XR03X2806
4	1-1/4	300	1-1/2		3/8	3/8			XR0402806
5	1-1/4	325	1-1/2		3/8	3/4			XR0502806
6	2	450	2-3/16	1-3/16	3/4	1-3/8	XR0620019	XR0620112~	
8	2	600	2-3/16	1-3/16	3/4	2-3/8	XR0820019	XR0820112~	

~ Wheels are complete with spanner bushing & nylon sealed retaining washers for 1/2" axle

# MEDIUM

## NW



**White Nylon**

Economical...Strong...Clean. Excellent for clean rooms. Maximum performance, economical solution for your most demanding caster applications.

5	2	600	2-3/16	1-3/16	3/4	1	NW0520019	NW0520112~
6	2	900	2-3/16	1-3/16	3/4	1-1/4	NW0620019	NW0620112~
8	2	1100	2-3/16	1-3/16	3/4	2	NW0820019	NW0820112~

~ Wheels are complete with spanner bushing and nylon sealed retaining/thrust washer.

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rate for single operation)	Hub Length (Inches)	Bore ID (Inches)	Bearing ID (Inches)	Approx. Wt. (Lbs)	Wheel Number Less Bearing	Wheel Number Roller Bearing

## PI



### Polyurethane on Cast Iron

Polyurethane tread chemically bonded to a cast iron core. High capacity polyurethane protects floors, is non-marking, and delivers quieter operation than metal wheels.

4	2	700	2-3/16	1-3/16	3/4	4	PI0420019	PI0420112~
5	2	1000	2-3/16	1-3/16	3/4	5	PI0520019	PI0520112~
6	2	1200	2-3/16	1-3/16	3/4	7	PI0620019	PI0620112~
8	2	1400	2-3/16	1-3/16	3/4	8-1/2	PI0820019	PI0820112~
6	3	2000	3-1/4	1-15/16	1	13-3/4	PI0650031	PI0650016
8	3	2500	3-1/4	1-15/16	1	16	PI0850031	PI0850116
10	3	3000	3-1/4	1-15/16	1	20-1/2	PI1050031	PI1050116
12	3	3500	3-1/4	1-15/16	1	28-1/4	PI1250031	PI1250116

## PD



### Poly on Aluminum

Composed of a polyurethane elastomer, open cast or injection molded, on clean, close tolerance cores. Wheels feature a chemical and mechanical lock of tread to the core. High capacity polyurethane protects floors, is non-marking and delivers quieter operation than standard metal wheels.

4	2	700	2-3/16	1-3/16	3/4	1-1/2	PD0420019	PD0420112~
5	2	1050	2-3/16	1-3/16	3/4	1-3/4	PD0520019	PD0520112~
8	2	1500	2-3/16	1-3/16	3/4	3-1/4	PD0820019	PD0820112~
8	3	2520	3-1/4	1-3/16	1	4-1/4	PD0850031	PD0820116
10	3	3000	3-1/4	1-15/16	1	5	PD1050031	PD1050116

## PM



### Poly on Aluminum

Composed of a polyurethane elastomer, open cast or injection molded, on clean, close tolerance cores. Wheels feature a chemical and mechanical lock of tread to the core. High capacity polyurethane protects floors, is non-marking and delivers quieter operation than standard metal wheels.

5	2	1000	2-7/16		1/2	2		Wheel Number Precision Ball (28)
6	2	1250	2-7/16		1/2	3		PM0522808*
8	2	1500	2-7/16		1/2	4		PM0622808*
								PM0822808*

\*Complete with top hats and spacers.

Shore 80A or 95A avail

## PX



### Thick Tread Poly on Cast Iron

Polyurethane tread chemically bonded to a cast iron core. High capacity polyurethane protects floors, is non-marking, and delivers quieter operation than metal wheels.

6	3	2040	3-1/4	1-15/16	1	13-3/4	PX0650031	PX0650116
8	3	2520	3-1/4	1-15/16	1	16	PX0850031	PX0850116
10	3	3000	3-1/4	1-15/16	1	20-1/2	PX1050031	PX1050116
12	3	3420	3-1/4	1-15/16	1	28-1/4	PX1250031	PX1250116

Shore 80A or 95A avail

## PY



### Polyurethane on Cast Iron

Polyurethane tread chemically bonded to a cast iron core. High capacity polyurethane protects floors, is non-marking, and delivers quieter operation than metal wheels.

4	2	850	2-3/16	1-3/16	3/4	4	PY0420019	PY0420112~
5	2	910	2-3/16	1-3/16	3/4	5	PY0520019	PY0520112~
6	2	1250	2-3/16	1-3/16	3/4	7	PY0620019	PY0620112~
8	2	1500	2-3/16	1-3/16	3/4	8-1/2	PY0820019	PY0820112~
6	3	2040	3-1/4	1-15/16	1	13-3/4	PY0650031	PY0650116
8	3	2520	3-1/4	1-15/16	1	16	PY0850031	PY0850116
10	3	3000	3-1/4	1-15/16	1	20-1/2	PY1050031	PY1050116
12	3	3420	3-1/4	1-15/16	1	28-1/4	PY1250031	PY1250116

Shore 80A or 95A avail

## VY



### Vulkollan® on Cast Iron

Highest quality polyurethane in the world, extremely durable, with high load capacity. Wheels are ergonomic and easy to roll, with high abrasion resistance. Wheels may last 40% longer than most polyurethane wheels, especially in extreme conditions.

6	3	3000	3-1/4	1-15/16	1	13-3/4	VY0650031	VY0650116
8	3	4000	3-1/4	1-15/16	1	16	VY0850031	VY0850116
10	3	5000	3-1/4	1-15/16	1	20-1/2	VY1050031	VY1050116

The color of Vulkollan will change over time and exposure to UV rays from an off-white to a very dark brown.

## VX



### Thick Tread Vulkollan® on Cast Iron

Highest quality polyurethane in the world, extremely durable, with high load capacity. Wheels are ergonomic and easy to roll, with high abrasion resistance. Wheels may last 40% longer than most polyurethane wheels, especially in extreme conditions.

6	3	3000	3-1/4	1-15/16	1	13-3/4	VX0650031	VX0650116
8	3	4000	3-1/4	1-15/16	1	16	VX0850031	VX0850116
10	3	5000	3-1/4	1-15/16	1	20-1/2	VX1050031	VX1050116

The color of Vulkollan will change over time and exposure to UV rays from an off-white to a very dark brown.

## PB



### Polypropylene







Injection molded blend of thermoplastic polymers which resist absorption and most chemicals and solvents. Capacity ratings are comparable to hard rubber wheels with the added advantage of being lighter in weight and having greater impact resistance.

## XA



### Polyurethane on Polypropylene Core

Excellent properties where washdown of material handling equipment is required. Tread is mechanically locked to an injection molded polymer core to prevent separation. Poly wheels offer greater load capacity than rubber.

	<div>Wheel Diameter (Inches)</div>	<div>Tread Width (Inches)</div>	<div>Capacity (Lbs) (Based on manual operation)</div>	<div>Hub Length (Inches)</div>	<div>Bore ID (Inches)</div>	<div>Bearing ID (Inches)</div>	<div>Approx. Wt. (Lbs)</div>	<div>Wheel Number Plain Bore</div>	<div>Wheel Number Roller Bearing</div>
									
3	1-1/4	250	1-1/2	1/2	1/2	1/2	PB0304108		PB0300108
4	1-1/4	300	1-1/2	1/2	1/2	1/2	PB0404108		PB0400108
5	1-1/4	450	1-1/2	1/2	1/2	1/2	PB0504108		PB0500108
4	2	450	2-3/16	3/4	3/4	1/2	PB0420019		PB0420112~
5	2	550	2-3/16	3/4	3/4	3/4	PB0520019		PB0520112~
6	2	650	2-3/16	3/4	3/4	1	PB0620019		PB0620112~
8	2	850	2-3/16	3/4	3/4	1-1/4	PB0820019		PB0820112~
4	2	600	2-3/16	1-3/16	3/4	1/2	XA0420019		XA0420112~
5	2	750	2-3/16	1-3/16	3/4	1-3/4	XA0520019		XA0520112~
6	2	900	2-3/16	1-3/16	3/4	2-1/2	XA0620019		XA0620112~
8	2	1000	2-3/16	1-3/16	3/4	2-3/4	XA0820019		XA0820112~
Precision Ball Bearing									
3	1-1/4	300	1-1/2	—	3/8	3/8			XA0302806
3-1/2	1-1/4	360	1-1/2	—	3/8	3/8			XA03X2806
4	1-1/4	400	1-1/2	—	3/8	1/2			XA0402806
5	1-1/4	440	1-1/2	—	3/8	3/4			XA0502806

# HARD

## RT



### Reinforced Thermoplastic

High performance, resilient, and cost effective wheel. Ideally suited for food processing, tool storage, sanitary maintenance, and application requiring easy mobility under heavy loads. Extremely resistant to water, chemical absorption, and steam cleaning.

## DT



### Heavy Duty RT Wheel

To create a stronger and higher impact resistant wheel, the RT wheel recreated with a glass reinforced nylon material. The DT wheel is ideal for applications subject to strong impact and abuse.

## HT



### High Temp RT Wheel








A High Temp version of the RT wheel, can withstand continuous heat of up to +480°F, and intermittent head of up to +700°F.








## FM










### Ductile Crown

Albion FR Ductile Wheels feature higher capacities compared to cast iron wheels. Full radius tread design makes them easier to swivel and roll. Wheel are painted black.

								
4	2	800	2-3/16	1-3/16	3/4		RT0420019	RT0420112~
5	2	1000	2-3/16	1-3/16	3/4		RT0520019	RT0520112~
6	2	1200	2-3/16	1-3/16	3/4		RT0620019	RT0620112~
8	2	1400	2-3/16	1-3/16	3/4		RT0820019	RT0820112~

								
4	2	1000	2-3/16	1-3/16	3/4		DT0420019	DT0420112~
5	2	1200	2-3/16	1-3/16	3/4		DT0520019	DT0520112~
6	2	1400	2-3/16	1-3/16	3/4		DT0620019	DT0620112~
8	2	1600	2-3/16	1-3/16	3/4		DT0820019	DT0820112~

								
4	2	800	2-3/16	1-3/16	3/4		HT0420019	HT0420112~
5	2	1000	2-3/16	1-3/16	3/4		HT0520019	HT0520112~
6	2	1200	2-3/16	1-3/16	3/4		HT0620019	HT0620112~
8	2	1400	2-3/16	1-3/16	3/4		HT0820019	HT0820112~



~ Wheels are complete with spanner bushing and nylon sealed retaining/thrust washer.

6 3 6000 3-1/4 1-15/16 1-1/4 11-1/2 FR0650031 FR0650120  
8 3 5000 3-1/4 1-15/16 1-1/4 15-1/2 FR0850031 FR0850120  
10 3 5000 3-1/4 1-15/16 1-1/4 20-1/2 FR0500034 FR0500120

[www.albioncasters.com](http://www.albioncasters.com)



## CA



### Cast Iron

Premium cast iron, sometimes referred to as semi-steel, offers the highest tensile strength in the industry (30,000 psi). A cost effective solution for high capacity situations.

~Nylon retainer thrust washers & hardened metal spanner bushing included.

Wheel Diameter (inches)	Tread Width (inches)	Capacity (Lbs) (rated for manual operation)	Hub Length (inches)	Bore ID (inches)	Bearing ID (inches)	Approx. Wt. (Lbs)	Wheel Number Plain Bore	Wheel Number Roller Bearing
3	1-1/4	300	1-1/2	1/2	1/2	1-1/4	CA0304108	
3-1/2	1-1/4	350	1-1/2	1/2	1/2	1	CA03X4108	
4	1-1/4	350	1-3/8	1/2	1/2	1-3/4	CA0404108	
5	1-1/4	350	1-1/2	1/2	1/2	2-1/4	CA0504108	
4	1-7/8	1000	2-3/16	1-3/16	3/4	3-1/4	CA0420019	CA0420112~
5	1-7/8	1300	2-3/16	1-3/16	3/4	4-1/4	CA0520019	CA0520112~
6	1-7/8	1400	2-3/16	1-3/16	3/4	6-1/4	CA0620019	CA0620112~
8	2	1800	2-3/16	1-3/16	3/4	8-1/2	CA0820019	CA0820112~
6	3	2800	3-1/4	1-15/16	1	11-3/4	CA0850031	CA0850116
8	3	2800	3-1/4	1-15/16	1	11-3/4	CA1050031	CA0850116
10	3	2800	3-1/4	1-15/16	1	16-3/4	CA1050031	CA1050116
12	3	2800	3-1/4	1-15/16	1	16-3/4	CA1250031	CA1050116

## NX



### Trionix™ High Impact Polymer

These unique high impact polymer wheels deliver superior rollability, capacity and slide resistance. Trionix™ features unique polymers that resist corrosion and most chemicals. Injection molded process.

Wheel Diameter (inches)	Tread Width (inches)	Capacity (Lbs) (rated for manual operation)	Hub Length (inches)	Bore ID (inches)	Bearing ID (inches)	Approx. Wt. (Lbs)	Wheel Number Precision Ball (28)
6	3	7200	3-1/2	2	3/4	6-1/2	NX0652812*
8	3	7200	3-1/2	2	3/4	9	NX0852812*
10	3	7200	3-1/2	2	3/4	10	NX1052812*

\*Includes top hats

## VG/VL



### V-Groove Cast Iron

A relief groove at the base of the V tends to equalize the load to each face of the angle track when in operation. Wheel face and bore are machined for concentricity to proper tracking. Can be used on track or flat surfaces. VL wheels feature a larger bore for greater capacity.

Wheel Diameter (inches)	Tread Width (inches)	Capacity (Lbs) (rated for manual operation)	Hub Length (inches)	Bore ID (inches)	Bearing ID (inches)	Approx. Wt. (Lbs)	Wheel Number Plain Bore	Wheel Number Roller Bearing
6	2-1/2	2500	3-1/4	1-15/16	1	11-3/4	VG0640031	VG0640116
8	3	2500	3-1/4	1-15/16	1	16-3/4	VG0850031	VG0850116
10	3	3000	3-1/4	1-15/16	1	27	VG1050031	VG1050116

Groove depth (A) width (B) in inches: 6"(A) 7/8 (B) 7/16 8"(A) 7/8 (B) 7/16 10"(A) 1-3/8 (B) 11/16

## XI



### X-treme® Solid Elastomer

Specifically for high-capacity manual applications involving chemicals, solvents or water. X-tremely low rolling resistance. One-piece construction affords freedom from tread separation with an exceptionally long life. Non-marking, floor protective tread.

Wheel Diameter (inches)	Tread Width (inches)	Capacity (Lbs) (rated for manual operation)	Hub Length (inches)	Bore ID (inches)	Bearing ID (inches)	Approx. Wt. (Lbs)	Wheel Number Plain Bore	Wheel Number Roller Bearing
4	2	1000	2-3/16	1-3/16	3/4	1	XI0420019	XI0420112~
5	2	1000	2-3/16	1-3/16	3/4	1-1/2	XI0520019	XI0520112~
6	2	1000	2-3/16	1-3/16	3/4	1-3/4	XI0620019	XI0620112~
8	2	1000	2-3/16	1-3/16	3/4	4	XI0820019	XI0820112~

## XP



### X-treme® Solid Plus Elastomer

Specifically for high-capacity manual applications involving chemicals, solvents or water. X-tremely low rolling resistance. One-piece construction affords freedom from tread separation with an exceptionally long life. Non-marking, floor protective tread.

Wheel Diameter (inches)	Tread Width (inches)	Capacity (Lbs) (rated for manual operation)	Hub Length (inches)	Bore ID (inches)	Bearing ID (inches)	Approx. Wt. (Lbs)	Wheel Number Plain Bore	Wheel Number Roller Bearing
4	2	1400	2-3/16	1-3/16	3/4	1	XP0420019	XP0420112~
5	2	1200	2-3/16	1-3/16	3/4	1-1/2	XP0520019	XP0520112~
6	2	1400	2-3/16	1-3/16	3/4	1-3/4	XP0620019	XP0620112~
8	2	1200	2-3/16	1-3/16	3/4	4	XP0820019	XP0820112~

## TM



### Phenolic Wheel

Wheels are molded of heavy macerated or chopped cotton denim, impregnated with phenolic resin and formed in close fitting molds under high pressure and temperature. They are non-marking and excellent load carriers.

Wheel Diameter (inches)	Tread Width (inches)	Capacity (Lbs) (rated for manual operation)	Hub Length (inches)	Bore ID (inches)	Bearing ID (inches)	Approx. Wt. (Lbs)	Wheel Number Plain Bore	Wheel Number Roller Bearing
3	1-1/4	400	1-3/8	1-1/16	1/2	1/2	TM0304117	TM0300108
4	1-1/4	400	1-3/8	1-1/16	1/2	3/4	TM0404117	TM0400108
5	1-1/4	400	1-3/8	1-1/16	1/2	1-1/4	TM0504117	TM0500108
4	2	800	2-3/16	1-3/16	3/4	1-1/2	TM0420019	TM0420112~
5	2	1000	2-3/16	1-3/16	3/4	1-3/4	TM0520019	TM0520112~
6	2	1200	2-3/16	1-3/16	3/4	2-1/2	TM0620019	TM0620112~
8	2	1400	2-3/16	1-3/16	3/4	4	TM0820019	TM0820112~
6	3	2000	3-1/4	1-3/16	1	5	TM0650031	TM0650116
8	3	2500	3-1/4	1-15/16	1	7-1/4	TM0850031	TM0850116
10	3	2900	3-1/4	1-15/16	1	9-3/4	TM1050031	TM1050116
12	3	3500	3-1/4	1-15/16	1	12-3/4	TM1250031	TM1250116

## FS



### Drop Forged Steel

Drop forged steel wheels are hot forged from carbon steel billets. The forging process improves grain flow, enhances ductility and tensile strength. Suitable for high capacity, abusive applications. Forged steel is 64,000 psi tensile strength.

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on nominal tread)	Hub Length (Inches)	Bore ID (Inches)	Bearing ID (Inches)	Approx. V. (LBS)	Wheel Number Plain Bore	Wheel Number Roller Bearing
6	2-1/2	4000	3-1/4	1-15/16	1	11-3/4	FS0640031	FS0640116
8	3	4500	3-1/4	1-15/16	1	18-1/4	FS0850031	FS0850116
10	3	5000	3-1/4	1-15/16	1	27-3/4	FS1050031	FS1050116

## NG



### Maxim® Nylon and Fiberglass

With a focus on ergonomics, this advanced wheel starts rolling, keeps rolling and swivels with ease! The innovative nylon and fiberglass construction stands up to solvents, extreme temperatures

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on nominal tread)	Hub Length (Inches)	Bore ID (Inches)	Bearing ID (Inches)	Approx. V. (LBS)	Wheel Number Plain Bore	Wheel Number Roller Bearing
4	2	800	2-3/16	1-3/16	3/4	1	NG0420019	NG0420112~
5	2	1000	2-3/16	1-3/16	3/4	1	NG0520019	NG0520112~
6	2	1200	2-3/16	1-3/16	3/4	1-1/8	NG0620019	NG0620112~
8	2	1400	2-3/16	1-3/16	3/4	1-3/8	NG0820019	NG0820112~

## EMPIRE™ ECONOMICAL WHEELS

### EMPIRE™ IS



#### Grey TPR on Polypropylene

An economical version of the XS, this wheel offers durability and rollability with a non-marking grey tread.

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on nominal tread)	Hub Length (Inches)	Bore ID (Inches)	Bearing ID (Inches)	Approx. V. (LBS)	Wheel Number Plain Bore	Wheel Number Roller Bearing
4	2	300	2-3/16	1-3/16	3/4	1	IS0420019	IS0420112~
5	2	400	2-3/16	1-3/16	3/4	1-1/8	IS0520019	IS0520112~
6	2	500	2-3/16	1-3/16	3/4	1-3/8	IS0620019	IS0620112~
8	2	600	2-3/16	1-3/16	3/4	2-3/8	IS0820019	IS0820112~

### EMPIRE™ IR



#### Grey TPR on Polypropylene

An economical version of the XR, this wheel offers durability and rollability with a non-marking grey tread.

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on nominal tread)	Hub Length (Inches)	Bore ID (Inches)	Bearing ID (Inches)	Approx. V. (LBS)	Wheel Number Plain Bore	Wheel Number Roller Bearing
4	2	250	2-3/16	1-3/16	3/4	1	IR0420019	IR0420112~
5	2	350	2-3/16	1-3/16	3/4	1-1/8	IR0520019	IR0520112~
6	2	450	2-3/16	1-3/16	3/4	1-3/8	IR0620019	IR0620112~
8	2	550	2-3/16	1-3/16	3/4	3-3/8	IR0820019	IR0820112~

### EMPIRE™ IM



#### Rubber on Iron

An economical version of the MR wheel. The soft rubber tread affords a cushion effect to the load. These wheels are highly shock absorbing and provide quiet operation, while dampening vibration.

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on nominal tread)	Hub Length (Inches)	Bore ID (Inches)	Bearing ID (Inches)	Approx. V. (LBS)	Wheel Number Plain Bore	Wheel Number Roller Bearing
4	2	350	2-3/16	1-3/16	3/4	1-1/2	IM0420019	IM0420112~
5	2	400	2-3/16	1-3/16	3/4	2	IM0520019	IM0520112~
6	2	410	2-3/16	1-3/16	3/4	2-1/4	IM0620019	IM0620112~
8	2	450	2-3/16	1-3/16	3/4	6-1/3	IM0820019	IM0820112~

### EMPIRE™ IP



#### Polyurethane on Cast Iron

An economical version of the PI. High capacity polyurethane protects floors, is non-marking, and delivers quieter operation than metal wheels.

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on nominal tread)	Hub Length (Inches)	Bore ID (Inches)	Bearing ID (Inches)	Approx. V. (LBS)	Wheel Number Plain Bore	Wheel Number Roller Bearing
4	2	700	2-3/16	1-3/16	3/4	3	IP0420019	IP0420112~
5	2	900	2-3/16	1-3/16	3/4	3-1/2	IP0520019	IP0520112~
6	2	900	2-3/16	1-3/16	3/4	4	IP0620019	IP0620112~
8	2	900	2-3/16	1-3/16	3/4	6	IP0820019	IP0820112~

### EMPIRE™ IC



#### Cast Iron

An economical version of the CA. Cast iron for superior strength, the IC is a cost effective solution for high capacity situations.

Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Based on nominal tread)	Hub Length (Inches)	Bore ID (Inches)	Bearing ID (Inches)	Approx. V. (LBS)	Wheel Number Plain Bore	Wheel Number Roller Bearing
4	2	700	2-3/16	1-3/16	3/4	4-1/4	IC0420019	IC0420112~
5	2	900	2-3/16	1-3/16	3/4	6-1/4	IC0520019	IC0520112~
6	2	900	2-3/16	1-3/16	3/4	8-1/2	IC0620019	IC0620112~
8	2	900	2-3/16	1-3/16	3/4	8-1/2	IC0820019	IC0820112~



# Prevenz™ Antimicrobial

## The Prevenz Story

### How Does Prevenz™ Work?

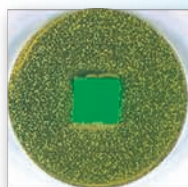
The antimicrobial compound used in Prevenz™ wheels is designed to suppress the growth of a variety of destructive and odor causing microbes including bacteria, molds, mildew, and fungi. The active ingredients neutralize the ability of microbes to function, grow and reproduce.

### How long does the protection last?

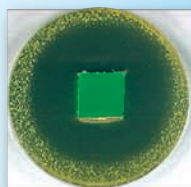
Prevenz™ is engineered to be effective against microbes for the life of the wheel. The agent remains stored in the polymer and is gradually released to the surface of the wheel.

### Will scratches, tread wear or wax buildup diminish the effectiveness?

No. Prevenz™ protection is not a coating on the surface of the wheel. It is an



WITHOUT PREVENZ™



WITH PREVENZ™

integral part of the wheel material. Abrasion, chips or scratches will not impact the effectiveness of Prevenz™ in any way. Not even wax buildup on the wheel can impair the bacteria fighting performance.

### Does Prevenz™ eliminate the need for cleaning?

No. Although Prevenz™ provides an added level of protection, these wheels do not eliminate the need for normal cleaning practices. They are designed to work in conjunction with and enhance your ongoing

program. Good hygiene practices should always be observed.

### Is Prevenz™ safe?

Yes. The active ingredients in Prevenz™ have undergone extensive laboratory testing and have been proven safe. The active ingredient has a history of hospital use for more than 25 years and is used in a broad range of popular personal care products, such as antimicrobial soap, toothpaste and deodorant. It is registered with the US Environmental Protection Agency (EPA), and products with this material have been approved by the US Food & Drug Administration (FDA), the European Union (EU), the National Sanitation Foundation (NSF) and other regulatory authorities around the world.



The EPA registered and FDA compliant antimicrobial additive used in Prevenz™ wheels is designed to suppress the growth of a variety of destructive and odor causing microbes including bacteria, molds,

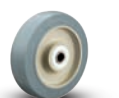
mildew and fungi. These wheels are suitable for a variety of applications including medical equipment, food equipment, pharmaceutical, chemical, meat & poultry, processing plants and more. To order add "PREV" to end of model number.



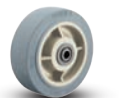
XA Prevenz™



XA Prevenz™  
Heavy Duty



XS Prevenz™



XS Prevenz™  
Heavy Duty



XR Prevenz™



XR Prevenz™  
Heavy Duty



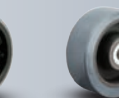
XP Prevenz™



NG Prevenz™



PY Prevenz™



PX Prevenz™

# ALBION®

*the caster experts*

[www.albioncasters.com](http://www.albioncasters.com)

## REQUEST A PLANT AUDIT

With the popularity of castered equipment comes some problems for many large facilities. Whether a facility is a manufacturer of automobiles, a wholesale bakery, a warehouse, or a large hotel, the problems are the same. These plants buy their rolling equipment from a number of different sources (OEM's). As a result, there is a wide variety of caster brands, sizes and types used in these facilities. The problems this creates are:

- Identification of casters for replacement orders.
- Plants have to carry many styles and brands in their store rooms for replacement.
- The same piece of rolling equipment could be using three different types or sizes of casters.
- Some castered equipment could be "under castered" for its application which could lead to labor complaints or premature failures.
- Buyers place many orders with different suppliers in order to replace the many brands of the rolling equipment in their plant which results in higher order costs.
- The many sizes and brands create confusion between buyer and maintenance as to what brand and size goes on what piece of rolling equipment.
- Lack of local stock on some caster models causes rolling equipment to be unproductive while the plant waits for casters.

But we have the solution:

A caster survey.

This easy-to-read survey form recommends a specific caster model for each piece of rolling equipment in the facility. There is no longer the need to take measurements of the caster, look up old invoices to determine where they bought it last, or remember model numbers. The customer can consolidate the large range of sizes being used into a select few. This survey would give the customer the right caster for the right job and remove complaints of "under casting," poor wear and many orders to different suppliers.

After a plant caster survey is completed, you will know exactly what models the plant surveyed will use. We will help you conduct a caster survey at your request.

For more information, please contact an Inside Sales Coordinator at 1.800.835.8911 or email [plantsurvey@albioninc.com](mailto:plantsurvey@albioninc.com)

## APPLICATION ASSISTANCE

### Contact Info

Company Name: \_\_\_\_\_ Company Contact \_\_\_\_\_

Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

Plant Location:

Address: \_\_\_\_\_

City, State: \_\_\_\_\_

### Application Information

Number of casters required per unit: Rigid \_\_\_\_\_ Swivel \_\_\_\_\_

#### Critical Dimensions:

Top Plate Size: \_\_\_\_\_ Bolt Hole Spacing: \_\_\_\_\_ Overall Hgt: \_\_\_\_\_ Swivel Radius \_\_\_\_\_

Swivel Lead: \_\_\_\_\_ Is shock absorption required? Yes \_\_\_\_\_ No \_\_\_\_\_

Wheel Type: \_\_\_\_\_ Diameter: \_\_\_\_\_ Tread Width: \_\_\_\_\_ Hub Length: \_\_\_\_\_

**Brief Description of Application** \_\_\_\_\_

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Have a specific caster issue? Fill out as much information as you can, then fax this form to:

**(517)-680-7004**

or email to:

**[info@albioninc.com](mailto:info@albioninc.com)**

#### Need more info?

Visit us at:

**[www.albioncasters.com](http://www.albioncasters.com)**

or contact a customer service rep at:

**800-835-8911**  
**[customerservice@albioninc.com](mailto:customerservice@albioninc.com)**

